

## **Board Operations Sub-Committee Meeting**

March 3, 2010

### **Program Management Team Overview**

The Program Management Team (PMT) was engaged in November 2006 to assist the staff at the California High-Speed Rail Authority (Authority) with its goal to bring high-speed rail to California. Since 2006, major accomplishments have been made.

In addition to completing the programmatic study for the entire alignment under a previous PB led Program Management Team, project specific studies are underway for the entire alignment using the expertise of eight Regional Consultant teams (RCs). With the completion of the 2008 business plan and the passing of Assembly Bill 3034, in the November 2008 election, \$9 Billion in state funding was made available. These are significant accomplishments for both the Authority and the PMT and establish the foundation for moving forward to accomplish the Record of Decision and Notice of Determination (ROD/NOD). In 2009, an updated business plan was completed and President Obama made stimulus funds available for a variety of high-speed rail programs in the United States of which \$2.25 Billion was awarded to this program.

With the public realization that the program is becoming funded and will be built, a heightened interest in the program has taken place, particularly in the alternatives analysis process, making it a more iterative and lengthy process than originally anticipated, which may impact the Authority's overall goals. Nonetheless, the PMT and the eight Regional Consultant teams continue to work toward the ROD/NOD as the foremost goal for the program at this stage.

The Program Management Team uses proven techniques to plan, control, manage and report progress on the California High Speed Rail Program – not only for its contracted work with the Authority, but also for the oversight and reporting of work by the Regional Consultant Teams, which contract directly with the Authority.

Several critical features of the Program Management Team's approach include:

- Program Management Plan
- Risk Management Plan
- Engineering Management and Engineering Deliverables
- Quality Assurance and Quality Control Plan
- Annual Work Plans, Budgets and Deliverables
- Master Program Schedules
- Progress Reports and Invoicing
- Issues Identification and Resolution
- Program and Program Review and Status Meetings
  - Weekly meetings between the PMT Program Manager and the HSR Authority Executive Director, as well as daily impromptu sessions on urgent items.
  - Weekly HSR Authority and PMT Managers meetings
  - Bi-weekly engineering meetings

- Bi-weekly environmental meetings
- Weekly/bi-weekly meetings with the Attorney General and Federal Railway Administration
- Weekly meetings of Regional Managers and Regional Consultant Teams on each section
- Monthly meetings of PMT Regional Managers and staff
- Quality control meetings with the Regional Consultant Teams
- Monthly meetings to address three-month look-ahead issues
- Monthly Issues Resolution meetings
- Quarterly meetings with the Authority, PMT, and the Regional Consultant Teams – these meetings are based on the 800-mile route broken down into three segments Southern, Central and Bay Area. One per month to equate to the quarterly calendar for the teams overall.
- Planning and staging approaches beyond the ROD/NOD to Revenue Service

These documents are delivered to the Authority and are updated on a regular basis - annually, monthly or weekly, as required.

Contractually the PMT work scope is identified by specific tasks

- Task 1 Program Management sets the overall program direction, controls and guidance based on direction from the Authority.
- Task 2 Outreach and Public Education has been instrumental in creating a common platform for the message of the program statewide and keeping the public up to date via the media, web site, press releases and other venues which was decided by the Authority and its staff. This function now contracts directly with the Authority effective January 2010.
- Task 3 Engineering Management is responsible for creating the engineering standards and criteria that the Regional Consultant Teams use in their preliminary engineering to 15% and 30% completion. This is necessary to ensure that designs and methodologies are the same across all regional sections for system integration and function. In addition, among many other issues, the engineering group works with the Public Utilities Commission (PUC) in regards to the 25kV transmission lines and the Federal Railroad Administration (FRA) to define the Rule of Particular Applicability (RPA), which will articulate the rules and guidelines for the high-speed rail program in California using Asian and/or European technology. Without these approvals, the high-speed line cannot be built.
- Task 4 Environmental Management is responsible for establishing and overseeing the common standards and processes that the Regional Consultant Teams use during their environmental reports, studies and other work moving toward a ROD/NOD.
- Task 5 Regional Management oversight provides the PMT with the ability to work with the Regional Consultant Teams and keep them focused on Authority driven priorities, milestones to be achieved and to report progress as well as issues that will impact program goals.



- Task 6 Right of Way (ROW) activities are an important step in the program and will play a larger role as the program moves closer to the ROD/NODs for each regional section. The proposed approach and planning activities for ROW acquisition currently rests with the Authority.
- Task 7 Ridership and Revenue analysis and forecasts to establish validity of the proposed system. In fiscal year 2009/2010 Task 7 has been expanded to include Railroad Operations Management to define further the functions of operating a high-speed train system.
- Task 8 Procurement and construction staff have recently been brought on board to prepare the documents required for procurement and construction of the operating high-speed line.

The HSR Authority and its Program Management Team (PMT) have prepared, and are working to, a Master Program Schedule (MPS). This MPS sets the stage for program planning, budgeting, work allocation, progress assessment and monthly reporting.

Given this overall plan, the schedule includes the following major program milestones for the eight geographic sections worked by the Regional Consultant Teams and overseen by the PMT, as directed by the Authority to reach the initial goals for the ROD/NOD certification:

- AA board briefing
- Draft AA
- Final AA
- Administrative Draft EIR/EIS
- 15% Preliminary Engineering Design Work
- 30% Preliminary Engineering Design Work
- Engineering Design Standards
- Draft EIR/EIS
- Final EIR/EIS
- ROD/NOD Certification

Each year an annual work plan is prepared based on the overall Master Program Schedule and is reviewed/modified, approved and funded by the Authority. The Notice to Proceed is issued and work continues with the Regional Consultant Teams supplying monthly progress reports to the PMT and Authority. Attachment 1 is the San Francisco to Anaheim Phase I Master Summary Schedule, as included in the 2009 Business Plan. This schedule summary is the driving force that the PMT and Authority uses to accomplish the current program goals. Updates to this schedule will be based on the monthly reports.

Actual hours versus plan and actual dollars versus budget are reported in each monthly progress report. The reports also include a commentary of the monthly activities, progress status and issues requiring attention. Each of the eight Regional Consultant Team schedules include hundreds of detailed work activities that describe and define the work leading to the program goals. These detailed schedules are summarized and

included in the Monthly Progress Report. For your review, Table 1 and 2 includes the PMT budget and the actual costs for each fiscal year.

Percent progress for the fiscal year is obtained from the progress reports, and/or extrapolated from the data provided, and reviewed by the PMT regional and discipline managers. Each Regional Manager reviews the percent progress for accuracy based on the results accomplished for the month. This review is performed on each respective Regional Consultant Team's work with the knowledge of the overall program goals and milestones that need to be accomplished in order to achieve the ROD/NOD certification as directed by the Authority, thus allowing the program to move to the next step. In turn the PMT summarizes these eight RC monthly progress reports and includes a similar monthly PMT report in a consolidated Monthly Progress Report to the Authority.

The monthly report is a snapshot in time and identifies the volume of work performed, current accomplishments, and issues and concerns to be addressed. The Monthly Progress Report for December 2009 has been included as Attachment 2 to provide a representative sample of the type of information provided by the PMT to the Authority on regular basis. The Monthly Progress Reports are prepared to illustrate the PMTs overall progress in relationship to its own goals and to the Regional Consultant Teams progress toward the major project milestones listed above.

The PMT and Regional Consultant Teams also have developed and maintain detailed schedules for their respective work; and these are updated and reviewed monthly. Attachment 3 is the PMT Engineering Management Schedule of deliverables, which provides the framework for the Regional Consultant Teams Design work. Attachment 4 is a program schedule from one Regional Consultant based on the Work Breakdown Structure (WBS) issued by the PMT and at a level of detail required by the Authority.

It is important to note that in the current Alternative Analysis stage, the program is subject to changes due to public and political interest and this has influenced and will continue to influence the work currently being performed. In addition, the PMT fully supports the Authority with the numerous on-demand requests from the Capital, legislators, committees, Legislative Analyst's Office (LAO) and other concerns that arise daily and weekly.

In summary, the Authority and the PMT have been successful to date in taking a conceptual program and developing an actual funded and supported program with a targeted service to begin in 2020. As we proceed with work on this challenging and continually evolving program, we will continue to refine and enhance the reporting system in order to provide better visibility of program status to all parties.

Table 1 – Program Management Team financials (PB and Sub-consultants)

Table 2 – Program Management Team financials (By Task)

Attachment 1 – San Francisco – Anaheim Phase I Master Summary Schedule – Program Management Activities

Attachment 2 – Monthly Progress Reports for December 2009

Attachment 3 – PMT Engineering Management Schedule

Attachment 4 – Regional Consultant detailed Schedule (San Jose to Merced)

**Table 1 – The Program Management Team Financials (PB and Sub-consultants)**

Program Management Team and Subconsultants	2006 /2007		2007 /2008		2008 /2009		2009 /2010*		Total Plan	Total Actual
	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual		
PB	1,906,004	1,904,619	4,715,196	4,761,361	5,549,789	6,753,414	21,145,577	8,440,934	33,316,566	21,860,327
Cordoba	252,987	252,884	756,152	426,146	905,972	939,918	2,298,499	806,886	4,213,610	2,425,834
SYSTRA	506,117	506,083	1,530,025	1,628,616	1,869,434	1,240,519	-	-	3,905,576	3,375,217
Cambridge			300,000	325,765	99,994	71,442	762,232	170,962	1,162,226	568,169
Deutschman	161,500	246,500	535,820	923,809	930,044	630,593	-	382,390	1,627,364	2,183,292
Townsend		-	-		-	16,000	96,000	48,000	96,000	64,000
TALC		32,762	66,000	87,060	66,000	-	-		132,000	119,822
Duffey	33,500	30,079	78,560	48,517	145,968	44,532	-	-	258,028	123,128
Lucas	50,000	82,992	111,560	125,492	107,580	93,263	118,560	58,128	387,700	359,874
Paragon	79,307	19,282	100,000		-		399,872	49,935	579,179	69,217
PB Consult			-	50,342	-		-	-	-	50,342
All Transit	84,282	63,720	162,100	69,899	100,237	30,971	141,677	94,851	488,296	259,442
Kleinfelder	104,370	38,901	113,000	79,909	129,508	114,540	323,230	89,549	670,108	322,900
SC Solutions	50,000	50,000	131,587	90,500	120,665	90,062	374,485	190,943	676,737	421,505
Turner	24,999	24,981	40,000	19,977	26,945	26,584	197,890	104,572	289,834	176,114
Total	3,253,066	3,252,801	8,640,000	8,637,393	10,052,136	10,051,838	25,858,022	10,437,151	47,803,224	32,379,183
Budget Dollars Remaining		265		2,607		298		15,420,871		15,424,041
*Through 31-Dec-2009										

**Table 2 – Program Management Team Financials (By Task)** (Actuals through December 31, 2009)

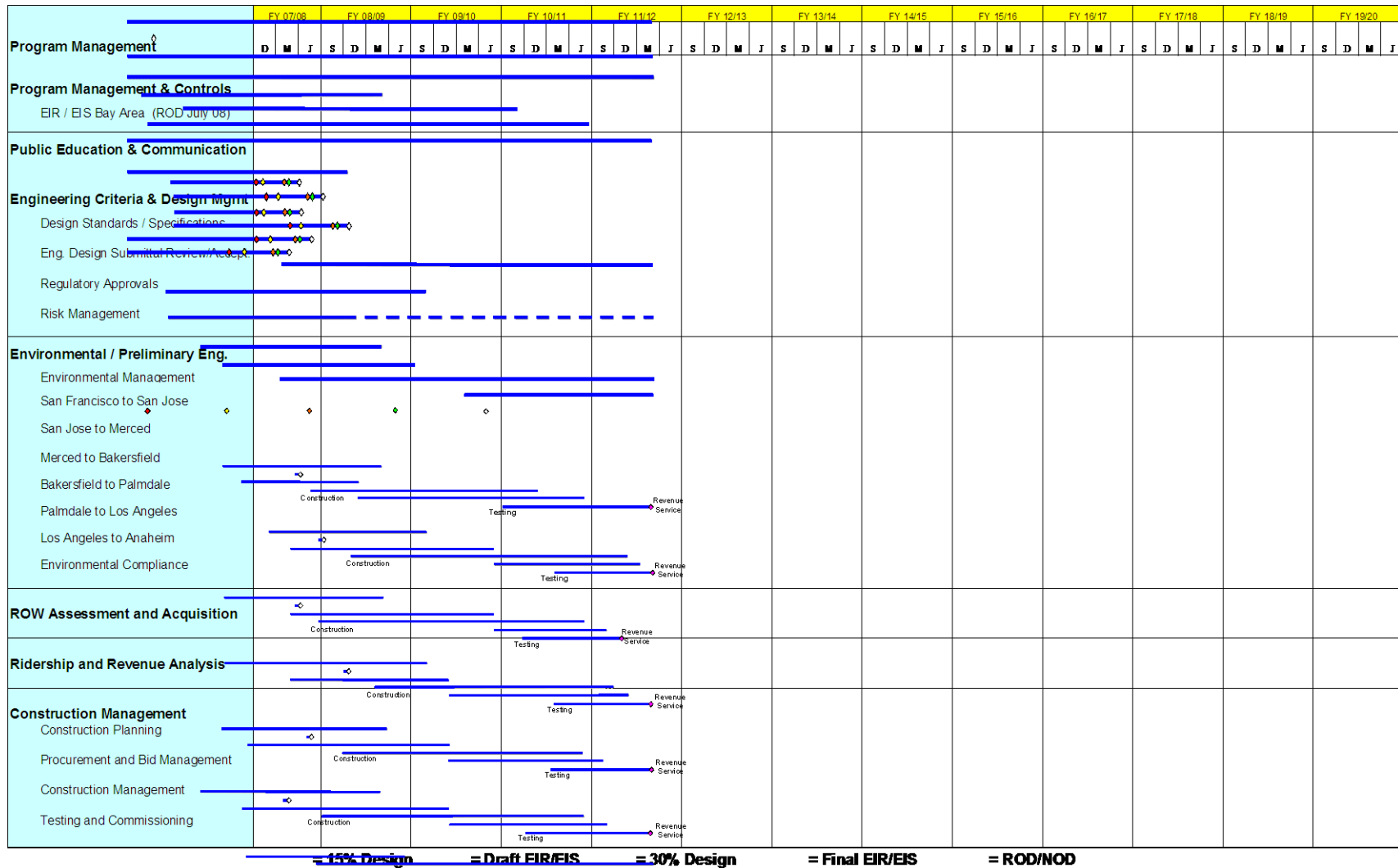
Task	Plan/Forecast / Actual Dollars (Dollars in thousands)	Total Dollars Plan to date	Total Dollars Actual to date	2006 /2007		2007 /2008		2008 /2009		2009 /2010*		2010 /2011	
				Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual*	Plan	Actual
1	Program Management	9,475	4,859	764	782	1,148	1,360	1,498	1,289	2,666	1,427	<i>3,400</i>	
2	Public Outreach & Communications	2,436	2,773	404	404	713	1,096	1,104	785	215	489	-	
3	Engineering & Design Management	41,311	15,400	1,408	1,433	5,077	3,673	4,931	5,400	11,794	4,893	<i>18,100</i>	
4	Environmental	5,652	2,086	657	614	341	246	580	456	1,474	770	<i>2,600</i>	
5	Regional Managers / Consultants												
5A	Palmdale to Los Angeles	2,836	913	-	-	128	232	347	383	961	298	<i>1,400</i>	
5B	Los Angeles to Anaheim	2,850	1,053	-	-	423	219	299	364	828	470	<i>1,300</i>	
5C	Los Angeles to San Diego	2,551	894	-	-	97	95	298	349	857	450	<i>1,300</i>	
5D	Fresno to Palmdale	1,888	413	-	-	47	35	124	181	717	197	<i>1,000</i>	
5E	Sacramento to Fresno	1,877	375	-	-	61	30	124	160	693	184	<i>1,000</i>	
5F	Altamont Pass	1,368	366	-	-	-	243	218	103	150	20	<i>1,000</i>	
5G	San Jose to Central Valley Wye	1,989	1,644	-	-	-	1,083	224	263	764	298	<i>1,000</i>	
5H	San Francisco to San Jose	2,603	507	-	-	205	-	206	245	892	262	<i>1,300</i>	
6	Right of Way Acquisition	1,519	69	19	19	100	-	-	-	400	50	<i>1,000</i>	
7	RR Operations & Ridership	5,944	1,027	-	-	300	326	100	71	2,944	630	<i>2,600</i>	
8	Construction & Procurement	2,503	-	-	-	-	-	-	-	503	-	<i>2,000</i>	
TOTAL Annual Actual		86,803	32,379	3,253	3,253	8,640	8,637	10,052	10,052	25,858	10,437	<i>39,000</i>	-
Cumulative				3,253	3,253	11,893	11,890	21,945	21,942	47,803	32,379	86,803	-

\*Through December 2009

*Italics = Forecast*

FY 2011/12 & 2012/13 Annual Work Plans to be developed in cooperation with the Authority.

**Attachment 1 – San Francisco – Anaheim Master Summary Schedule – Program Management Activities**



**Attachment 2 – Monthly Progress Report for December 2009**



## CA HSRA Program Progress Report

### Executive Summary– December 2009

This report covers work and expenditures from July through December 2009 being performed by eight Regional Consultant teams (RCs) and the Program Management Team (PMT). (The Visual Simulation consultant did perform work but did not submit a progress report). For this period, the teams are working under several Notices to Proceed (NTPs), including:

- NTPs carried over from or extending FY2008-2009 activity, because of the delay in obtaining a 2009/2010 State budget until August 2009.
- Partial NTPs for FY 09-10 made necessary by the two-step appropriation for the year, with the second half contingent on the submittal of a business plan to the Legislature.

The “December” period for monthly activity and progress generally refers to the calendar month. However, many of the invoices are based on weekly or bi-weekly reporting of hours and costs. Thus, the “December” periods reported for expenditure and effort are not consistent in some instances, but are sufficient to allow a reasonable comparison of work achieved versus costs and hours expended.

#### 1) *Highlights and Issues*

The program remains on target for the most critical segments for which ARRA funds have been applied. However, some of the less urgent tasks have slipped behind and the program is overall about 20% behind the aggregate work that had been anticipated. A slower start and less staffing in non-critical areas have been the primary reasons for the slippage. In most of the affected areas there are sufficient resources and time in which to recover the schedule. However, in the Palmdale to Los Angeles section and the Merced to San Jose section, it is possible that revised plans would result in some work being extended into the next fiscal year.

In December, the eight RCs covering ten segments and the PMT billed a total of \$9.66 million, 82% of the plan. Cumulatively the \$45 million billed in the first six months remains 20% below planned amounts. However, the teams report progress that is roughly comparable to the spending, indicating work is being carried out as efficiently as planned.

A number of issues have been raised in the RC reports as needing attention to allow more rapid advancement of the project. The need for allocating more resources to the project by most of the regional consultants has already been noted. Other issues include:

- Several teams noted that another authorization for money for work beyond December 31, 2009 is required to continue working uninterrupted. UHA (Fresno to Palmdale) also noted that while further authorization is needed to complete all work by 2011 delivery dates, the overall delivery schedule for the Bakersfield to Palmdale section can still be met.
- HNTB (San Francisco – San Jose) noted that several items are needed from the PMT to complete setting and impacts, including a programmatic agreement with the SHPO and the revised ridership numbers and trip distribution.
- AECOM (Sac to Fresno) noted that the issuance of a Request for Expressions of Interest (RFEI) with proposals due January 15, 2010 created possible impacts to the EIR/EIS schedule if decisions cannot be reached quickly on which sites to evaluate. They also requested clarification on the degree of study needed for the A4 alignment.

- HUA (LA to Palmdale) noted that coordination with Metro on outreach strategy and timeline continues to be challenging and may preclude CHSRA deadline of March 4, 2010 for SR 134 – Palmdale draft report. Additional issues with the proposed Disney development at Golden Oak Ranch and Placerita Canyon, sharing ROW with Metro from Sylmar to Union Station and sharing UPRR ROW through Palmdale need to be resolved. The RCs further noted that the available mapping is inadequate for design purposes and that tunnel fire/life safety, tunnel diameter and aerodynamics issues could impact travel times and speeds.
- Parsons (San Jose to Merced) noted that the anticipated budget for the AA has been exceeded and the completion of this task will exceed the original budget given new, unanticipated complexities in terms of the number of alternatives and public/agency input.
- AECOM (Altamont) noted that the two month delay in scoping meetings may result in some schedule slip for the AA activities.
- HNTB (LA –SD) noted that the outcome of what has resulted in additional alternatives that may require evaluation in AA which would result in additional time and effort not previously identified. Approximately 60 miles of alternative alignment (12.5% in alignment miles increase) and two added stations were recommended through the scoping process. It was also noted that coordination with So Cal ICG has resulted in additional scope of services that were not in the original annual work plan and that coordination with Caltrans PID may require an additional level of effort requiring more budget than expected.



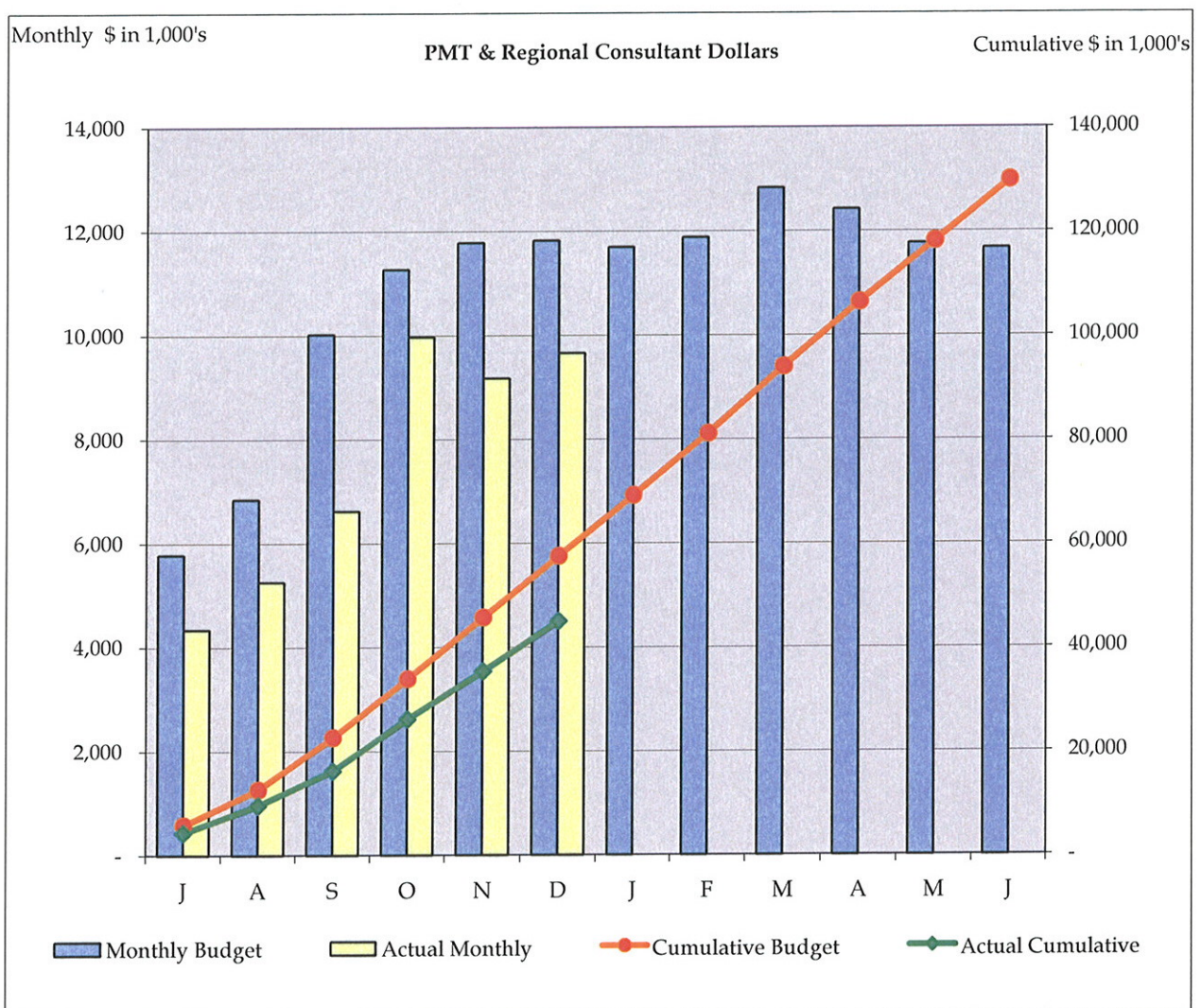
## 2) Cost, Hours and Progress

Planned expenditures and hours were calculated for calendar months from July 1, 2009 to December 31, 2009. Actuals are based on various RC billing periods that vary by team, spanning the period from November 21 to December 25.

### a. Dollars spent

In December, the eight teams covering ten segments and program management billed a total of \$9.66 million, 82% of the plan. Cumulatively, the \$45 million billed in the first six months remains 20% below planned amounts.

**Figure 1: Billings for Regional Consultants & PMT – December 2009 Period**





As is evident in Table 1 below, the largest sources of the lower-than-planned activity are the Palmdale – Los Angeles section, \$3.7 million below the plan and San Francisco – San Jose, \$3.6 million below, both 41% below their original target.

The San Francisco – San Jose RC (HNTB) has been making significant progress despite being under their spending. HNTB has focused on delivering draft deliverables scheduled for the first six months and are largely on schedule. By and large they have been able to complete work with less cost than budgeted. However, the alternatives analysis has fallen a month behind, partly as a result of unexpected levels of local controversy and there will be significant work to accomplish in the second half of the year in order to complete the year's scheduled work.

The Palmdale – Los Angeles team (H-U-A) has also been making progress, but not at the originally planned pace. H-U-A has begun revising the work plan to reflect a more realistic ramp-up in work from the beginning of the year, rather than the equal allocation of effort made originally. The PMT anticipates when the revisions are finalized that a portion of the spending and work planned for this fiscal year will be carried into the next year.

**Table 1: Billings for Regional Consultant and PMT -- December 2009 Period**

CHSRA Program Components		Month (\$1,000)		Cumulative (\$1,000)		
		Planned	Actual	Planned	Actual	% Variance
PMT	Program Management (PB)	2,130	1,911	11,872	10,480	-12
A	Palmdale - Los Angeles (H-U-A)	1,692	1,067	9,096	5,393	-41
B	Los Angeles - Anaheim (STV)	1,151	1,294	6,939	6,894	-1
C	Los Angeles - San Diego (HNTB)	403	319	1,673	1,615	-3
D1	Bakersfield - Palmdale (U-H-A)	770	831	3,425	2,411	-30
D2	Fresno - Bakersfield (U-H-A)	958	945	5,457	4,814	-12
E1	Merced - Fresno (AECOM)	497	678	2,707	2,659	-2
E2	Sacramento - Merced (AECOM)	94	59	309	258	-17
F	Altamont (AECOM)	224	207	1,357	806	-41
G	San Jose - Central Valley Wye (Parsons)	1,684	1,003	5,848	4,440	-24
H	San Francisco - San Jose (HNTB)	2,222	1,345	8,842	5,242	-41
	Newlands	-	-	-	-	
<b>TOTAL</b>		<b>11,825</b>	<b>9,658</b>	<b>57,524</b>	<b>45,013</b>	<b>-22</b>

Three groups are \$1 to \$2 million below their plan:

- The Program Management Team: \$1.4 million (12%) below plan. This results from some understaffing earlier in the fiscal year; less activity than planned for engineering, operations and ridership and reduction in the activities expected by the Authority. As a result progress is similarly less than planned, but sufficient resources and time remain to allow recovery of the schedule.
- San Jose – Central Valley Wye: \$1.4 million (24%) below planned spending. However, the RC (Parsons) has been making progress according to schedule, by concentrating on critical path items, although a number of deliverables and activities have been postponed. An unexpected number of alternatives has held up delivery of a draft alternatives analysis and there is significant work needed in



the second half of the year. The PMT anticipates that as the plan is revised, a portion of the work originally planned for this fiscal year will need extend into the next fiscal year.

- Bakersfield – Palmdale: \$1.1 million (30%) below plan. This resulted initially from the RC (U-H-A) deferring resource-intensive environmental work until the more complex than expected alignment and tunnelling in the Tehachapi range was completed. In addition, UHA now anticipates that additional resources will be needed on the Fresno-Bakersfield section, for which ARRA funds are being sought.

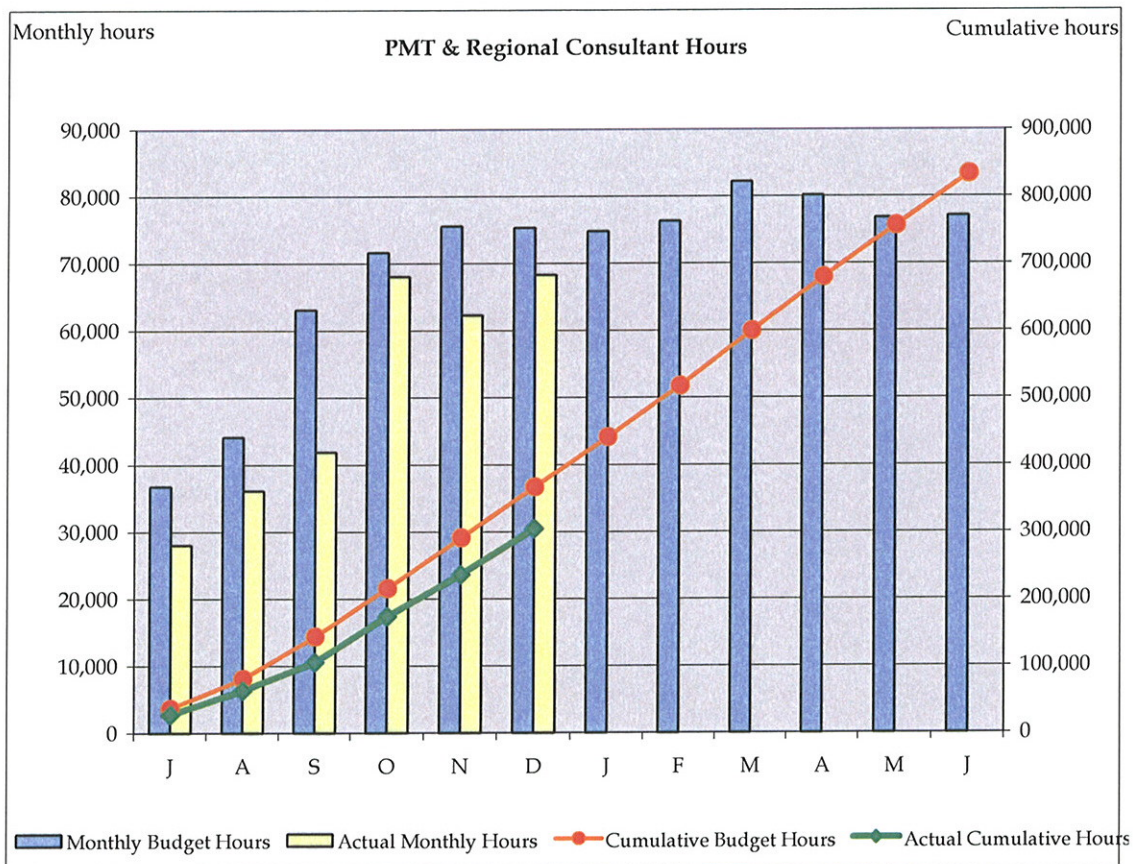
The Merced – Fresno and LOSSAN segments for which ARRA funds have been applied appear close to their schedule and budget, despite issues pertaining to alternative analysis development, policies decisions due from the authority and review of submittals taking longer than anticipated.

Of the three smallest budgets, the LA – SD team is spending at the level expected, while the Altamont Corridor and the Sacramento – Merced segment are spending considerably less than planned, but could accelerate work to recover the schedule originally planned.

### b. Hours Worked

In December 2009, 68,300 hours were billed, bringing the cumulative billing to 91% of the planned activity through the end of December. Figure 2 shows the hours planned and billed by month.

**Figure 2: Hours worked by the Regional Consultants and PMT - December 2009 period**



At the individual activity/team level, the variances of actual to budget hours are dissimilar to those of the billings. While cumulative hours are above planned levels, cost remains below budget. Table 2 shows the planned and actual levels for the current month and cumulatively.

**Table 2: Hours Worked by Regional & PMTs - December 2009 Period**

CAHSRA Team Components		December		Cumulative	
		Planned	Actual	Planned	Actual
PMT	Program Management (PB)	11,444	11,286	49,733	58,860
A	Palmdale - Los Angeles (H-U-A)	12,351	9,154	53,490	40,566
B	Los Angeles - Anaheim (STV)	7,716	7,578	38,802	50,592
C	Los Angeles - San Diego (HNTB)	1,903	1,986	7,467	9,863
D1	Bakersfield - Palmdale (U-H-A)	5,222	2,807	18,094	16,613
D2	Fresno - Bakersfield (U-H-A)	9,607	10,478	35,848	40,132
E1	Merced - Fresno (AECOM)	3,928	3,838	15,291	19,664
E2	Sacramento - Merced (AECOM)	427	393	1,626	1,929
F	Altamont (AECOM)	1,610	935	6,328	4,833
G	San Jose - Central Valley Wye (Parsons)	9,433	5,615	24,577	27,147
H	San Francisco - San Jose (HNTB)	11,959	8,213	40,020	34,391
	Newlands	0	0	0	0
<b>Program TOTAL</b>		<b>75,600</b>	<b>62,283</b>	<b>291,276</b>	<b>304,590</b>



**c. Progress of work and comparison to hours billed**

All teams have estimated progress on the deliverables and time-based tasks through December. Some teams provided weighted averages, others did not. In the latter cases, the PMT has estimated the progress shown in Table 3 below.

**Table 3. Estimated Progress**

CAHSRA Team Components		Dollars billed as % of Total Years Budget		Progress as % of Total Year's Work *	
		Planned	Actual	Planned	Actual
PMT	Program Management (PB)	46	41	46	40
A	Palmdale - Los Angeles (H-U-A)	45	27	36	33
B	Los Angeles - Anaheim (STV)	58	57	50	30
C	Los Angeles - San Diego (HNTB)	53	51	50	33
D1	Bakersfield - Palmdale (U-H-A)	43	30	50	50
D2	Fresno - Bakersfield (U-H-A)	43	38	50	50
E1	Merced - Fresno (AECOM)	30	30	50	47
E2	Sacramento - Merced (AECOM)	31	26	50	22
F	Altamont (AECOM)	45	27	28	28
G	San Jose - Central Valley Wye (Parsons)	39	29	50	34
H	San Francisco - San Jose (HNTB)	44	26	50	43
<b>Program TOTAL</b>		<b>44</b>	<b>35</b>	<b>46</b>	<b>37</b>

\* The program progress reporting process is being refined in order to better establish and validate project status. This update will be completed for inclusion in the February 2010 monthly report.

### 3) *Progress and Accomplishments by Task*

#### **Task 1. Project Management and Controls**

- Assisted in finalizing the Authority's 2009 Business Plan submittal to the Legislature which was delivered on December 14, 2009. Responded to questions from Legislative Analyst Office (LAO) and Legislative staff.
- Initiated "Issues Resolution" meetings with senior Authority staff to address and track top priority issues.
- Held weekly teleconference status calls with key PMT staff and Authority staff and attended December Board meeting.
- Updated PMT and overall master schedule to reflect and progress made in prior month. Refined master schedule to provide more focus of ARRA requirements for Business Plan and other key milestones.
- Meetings held with municipalities, UPRR, public on variety of issues and made presentation to major construction firms at SF conference.

#### **Task 2. Public Outreach and Communications**

- Managed production of Authority's 2009 Business Plan and assisted in development of explanatory materials for staff and Authority Board members.
- Advised on and helped coordinate outreach strategy of regional consultants.
- Handled legislative, press and public inquiries.

##### Central Valley (CV)

- Mailed Right of Entry requests to all property owners listed in the County Assessors database for two Merced-Fresno alignment alternatives (A2 and A3).
- Planned Scoping meetings for January in Stockton, Merced, Sacramento and Modesto.
- Held meetings of CV Rail Policy Working Group, Public Information in East Bakersfield, Fresno Station planning, Merced and Fresno Technical Working Groups (TWGs).
- Held Alternatives Analysis (AA) meeting for the public in Merced
- Met with, briefed, contacted, or presented to twelve Officials, ten groups, four Chambers of Commerce, three Cities and eight Newspapers.

##### Bay Area

- Developed Context-Sensitive Solutions (CSS) work plan with tentative dates for the release of the Draft Alternatives Analysis report in early 2010 and held CSS training for all project outreach and technical team leads.
- Held meetings of TWG in Gilroy and interagency meetings with CA Dept of Fish & Game, National Marine Fisheries Council and US Fish & Wildlife Service in Oakland.
- Met with, briefed, contacted, or presented to two Officials, eleven Groups and four Cities.

##### Southern California

- Prepared for and publicized January 20 Anaheim Open House event.
- Contacted environmental justice organizations to schedule briefings.
- Scheduled, attended and/or prepared information for SoCal ICG, ACEC, WTS, Little Tokyo Community Council, Walt Disney Company and Metro.
- Met with, briefed, contacted, or presented to seven Officials, thirteen Groups, two Chambers of Commerce and seven Cities.



**Task 3. Engineering and Design Management**

- Updated Program level capital cost estimates to reflect adopted changes and year of expenditure dollars were calculated.
- Met with Utility companies in Southern California to coordinate traction power connections to the State Power Grid.
- Issued CD with released Tech Memos and Directive Drawings as of 03 Dec 2009 to Regional Consultants
- Completed first draft of ADA-related System Requirements for internal review.
- Tech Memo -- Completed internal draft of TM 2.10.5 Seismic Design Bench Marks for internal review.
- Engineering Management Team (EMT) Memo -- Completed 30% Design PE Seal requirements EMT Memorandum for internal review and guidance.
- EMT Memo - Completed draft boilerplate text for maintenance faculties for use by CHSTP Environmental team
- Tech Memo - Finalized TM 6.2 Intro of Asian and European HSR to California as an internal strategy document.
- Submitted the following CHSTP System Requirement (SR) packages to FRA for review:
  - SR Package 9 – Wind, Vibration, Pressure, Piston Effects
  - SR Package 32 – Traction, Wheels, Wheel adhesion
  - SR Package 26 -- Aerodynamics, Crosswinds
  - SR Package 46 -- Rolling Stock ADA Requirements
- Conducted FRA review for the following CHSTP SR Packages
  - SR Package 42 – Track Space, Access, Intrusion
- Completed System-wide Environmental Documentation for
  - Tunnel Ventilation
  - HST Elements with Potential for Visual Impact
- Reviewed LA-Ana – Subsurface Exploration Program Proposal
- Held nineteen technical coordination meetings and conference calls.

**Issues and areas of concern (length of time)**

- Need Authority approval of:
  - Non-Disclosure Agreement for PG&E (2nd month)
  - Approach for So Cal Edison retainer and fee requirement for a Method of Service Study (2nd month)
  - Technical Advisory Panel - Seismic Design
- Need to confirm at-grade access feasibility of Anaheim West to LAUS and ARTIC, including operational issues for underground platforms at ARTIC (2nd month)
- Need to confirm roles and responsibilities for design development and delivery of the Caltrain and CHSTP improvements in the Peninsula Corridor (2nd month)

**Task 4. Environmental Guidance and Review**

- Continued discussions with State Historic Preservation Office, Dept. of Fish and Game, US EPA, US Army Corps of Engineers and US FWS regarding agency staff funding. Met with Authority and Attorney General (AG) staff to provide status update.
- Held coordination meetings and calls with Regional environmental teams
- Continued biweekly coordination with Authority, AG and FRA and on-going environment tasks

- Continued update of environmental methodologies in response to agency and regional teams comments and new information
- Completed uploading of draft Agency Consultation Plans to Authority website [www.cahighspeedrail.ca.gov](http://www.cahighspeedrail.ca.gov)
- Completed review of draft Tribal Consultation Plans, initial draft of Fresno to Bakersfield Alternatives Analysis Report and initiated review of draft Scoping Reports for Bakersfield to Palmdale, Merced to Fresno and Fresno to Bakersfield.
- Briefed five other State and Federal resource agencies on program status.
- Reviewed draft purpose and need statements for San Francisco-San Jose, Los Angeles-Anaheim, San Jose-Merced, Merced-Fresno and Fresno-Bakersfield.
- Initiated reviewed of baseline reports for Palmdale-LA technical reports
- Reviewed numerous baseline technical reports and EIR/EIS baseline sections for LA-Anaheim

**Issues and areas of concern**

- Timely review of environmental documents and technical memos by the AG and FRA

**Task 5. Regional Consultant Environmental Review Work****1. Los Angeles to Orange County (STV)**

- Submitted and Uploaded to ProjectSolve: revision to In-Progress Submittal (IPS) #6 Vol. 2 and 4, 15% design final IPS #6 Vol. 1-4, 15% Final Geotechnical report, 15% Hydrology and Hydraulics report, 15% Storm water management report and the 15% Utility report.
- Completed Preliminary Geotechnical Data Report and waiting for a go-ahead decision on the comments from the supplementary subsurface exploration program.
- Submitted in-progress plans to the EMT on the ROW 15% and the Grade Separations 15%.
- Continued work on the WBS Task 5.0 EIR/EIS Analysis.

**Action items and planned work in next month**

- Finalize all design and complete 15% design on all engineering tasks. Begin integrating all individual task designs into environmental documents.
- Finalize all efforts on the EIR / EIS Baseline sections and the EIR / EIS mitigation sections.
- Continue to work with ARTIC team on developing a workable solution for HST platforms and tracks. Begin traffic analysis for preferred parking sites and “rubber tire” intermodal traffic derived from HST ridership demands.
- Continue to work with the City of LA to develop a Vignes Street station option.
- Continue to study, identify and develop alternative track alignments at key specific locations including the Los Angeles Union Station south approach and the ARTIC station area.

**2. Palmdale to Los Angeles (HUA)**

- Issued Sylmar to LAUS draft basis of 15% design.
- Completed survey and received all survey results ordered to date for existing structures, grade crossings and major watercourses in the ROW.
- Updated cross sections at existing bridges over ROW to determine clearances and confirm feasibility of using existing spans.
- Continued work on the Environmental Impact Analysis.



**3. Sacramento – Fresno (AECOM)**

- Completed preparation of all composite utility plans for Alternatives A2 and A3 with the exception of AT&T, completed preliminary top of rail profile for A3, as well as the draft WYE alignment design for connection of alternative A3 to the South 152 Pacheco Pass alternative.
- Continued investigations for technical reports and EIR/S sections. Percentage complete follows – Transportation 15%, Air Quality 5%, Noise and Vibration 5%, Biological Resource/Wetland 20%, Hydrology 75%, Geology/Soils 75%, Hazardous Wastes/Materials 35%, Community Impact Assessment 12%, Aesthetics 40%, Cultural Resources 6%, EMI/EMF 10%, Utilities/Energy 20%, Safety/Security 40%, Environmental Justice 5%, Land Use 65%, Agricultural Land 75%, Parks and Open Space 12% and Cumulative Impacts 12%.

**4. Fresno – Palmdale (UHA)**

- Completed the AA alignments for Environmental Study.
- Prepared new alignment alternative to bypass both Shafter and 7<sup>th</sup> Standard Road (at BNSF) and performed a field survey using RTK-GPS to obtain elevation data at critical locations.
- Submitted draft Environmental Justice outreach plan to PMT for review.
- Continued work on basic designs for HST structures, tunnel design concepts and geotechnical information.

**5. San Diego – Los Angeles (HNTB)**

- Revised horizontal alignments for an “unconstrained” condition to be consistent with the track charts that were used to develop the Program travel times.
- Began developing vertical alignments using DTM.

**6. San Jose – Central Valley Wye**

- Prepared strip maps of South Henry Miller Road and East of UPRR to US 101 East Gilroy Alternatives.
- Progressed 15% design development for all alternatives proposed to be carried forward in the EIR/EIS.
- Completed Quantm Report to support AA.
- Refined alignment of Refined Program Alignment and close to 152 from San Luis Reservoir east, including consideration of proposed solar farm.
- Coordinated with Caltrans for procurement of as-built bridge plans.
- Continued development of EIR/EIS Technical Reports.

**7. San Francisco to San Jose**

- Submitted Draft AA Evaluation report.
- Developed initial 4-track configuration plans (Caltrain-eastside/HSR- Westside) and draft 4-track cross sections (Caltrain/HSR).
- Submitted ROW areas at risk of potential development and existing structures inventory matrix.
- Submitted five setting sections of the technical reports for the EIR/EIS for PMT review.

**8. Altamont Corridor**

- Developed specific maps of potential alternative alignment locations as identified through the public scoping process for use in the opportunities and constraints analysis.

- Continued opportunities and constraints analysis including assessment of the engineering issues associated with specific alternatives and station locations.

**Task 6. Right of Way Acquisition**

- Completed review of status of Regional Consultant right-of-way acquisition activities as input to Authority review of acquisition strategy.

**Task 7. Rail Road Operations Planning, Ridership and Revenue Forecasting**

- Continued review with Orange County Transportation Authority and other Southern California agencies on the feasibility and ridership consequences of various LA-Anaheim passenger service, track configuration and upgrade scenarios.
- Continued Caltrain corridor detailed operations analysis and definition of SF-San Jose passenger service, track configuration and upgrade scenarios.
- Held kick-off meeting to develop work plan for investment grade forecasting
- Prepared draft of station boardings, access activity and unconstrained parking requirements based on Cambridge Systematics runs with higher parking cost to include in the parking policy guidelines being finalized by the PMT environmental staff.
- Delivered information on local distribution of trips from stations in the Central Valley to regional teams and continued developing vehicle mile reduction information for environmental team
- Completed run with higher parking costs at stations for Phase 1, expanded Hanford/Visalia results to 2035 and began second Hanford/Visalia scenario run.
- Continued refinements to the Bay Area intraregional model, completing assessment of existing transit networks and correcting several scripting issues. Began recalibration with a new validation dataset.

**Task 8. Construction and Procurement Documents**

- Minor work activity pertaining to procurement document activity has been performed to date. No billing to this task as it has been billed under another task.



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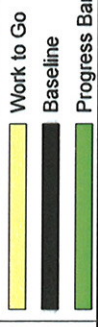
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Work & Deliverables Description	Start Date	Original Plan Finish Date	Forecast Finish Date	Total Project Planned To-Date %	Total Project Actual To-Date %	FY Plan % To-Date	FY Actual % To-Date	Dec. '09 Planned FY %	Dec. '09 Actual FY %	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14
<b>CA HSRA Program Management Team</b>																	
<b>Task 1 Project Management &amp; Controls</b>																	
+ 1 - Program Management & Controls	16NOV06A	30JUN13	30JUN13	47	47	50	50	8	8								
<b>Task 2 Public Education &amp; Communications</b>																	
2 - Public Education & Communications																	
+ 2.3 - State, Federal and Regional Interest Coord	16NOV06A	31DEC09	31DEC09A	100	100	100	100	12	12								
<b>Task 3 Engineering Criteria &amp; Design Management</b>																	
3.1 - Team Management																	
+ 3.1.1 - Engineering Task Mgmt Plan and Protocols	16NOV06A	30JUN13	30JUN13	47	46	50	45	9	3								
<b>3.2 - Infrastructure</b>																	
+ 3.2.1 - Develop CHSTP System Requirements	02JUL07A	30JUN10	30JUN10	67	65	50	47	5	2								
+ 3.2.2 - Technical Memo, Standard Plans & Specs	02JUL07A	31DEC10	31DEC10	69	68	50	43	8	3								
3.2.3 - Engineering Support																	
3.2.3 Engineering	02JUL07A	30JUN13	30JUN13	48	47	50	43	8	2								
<b>3.3 - Systems</b>																	
+ 3.3.1 - Develop CHSTP System Requirements	02JUL07A	30JUN10	30JUN10	47	45	50	47	5	2								
+ 3.3.2 - Technical Memo, Standard Plans & Specs	02JUL07A	30JUN10	30JUN10	51	50	50	37	8	3								
+ 3.3.3 - Engineering Support	02JUL07A	30JUN13	30JUN13	52	50	50	33	8	2								
<b>3.5 - Maintenance</b>																	
+ 3.5.1 - Technical Memoranda	02JUL07A	30JUN10	30JUN10	57	55	50	37	8	2								
+ 3.5.2 - Technical Support	02JUL07A	30JUN10	30JUN10	71	69	50	33	8	7								

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			Approved RF/NH

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<b>3.11 - Design Manual</b>																	
+ 3.11.1 - CHSTP Design Manual	02JUL07A	30JUN11	30JUN11	60	10	50	38	8	0								
<b>3.12 - Design Submittal Review</b>																	
+ 3.12.1 - Submittal Reviews & Compliance Reviews	02JUL09A	30JUN13	30JUN13	10	10	50	50	9	9								
<b>Task 4 Environmental Review</b>																	
+ 4.1 - Project Task Management	16NOV06A	30JUN13	30JUN13	47	47	50	50	9	9								
+ 4.2 - Program Management Coordination	16NOV06A	30JUN13	30JUN13	47	47	50	50	9	9								
+ 4.3 - Environmental Scoping	02JUL07A	30DEC11	30DEC11	56	56	50	50	9	9								
+ 4.4 - Alternative Analysis (AA) Process	02JUL07A	30DEC11	30DEC11	56	56	50	50	9	9								
+ 4.5 - Environmental Methods	02JUL07A	30JUN10	30JUN10	83	83	50	50	9	9								
+ 4.6 - Public/Agency Involvement and Coordination	02JUL07A	30JUN13	30JUN13	42	42	50	50	9	9								
+ 4.7 - Review of Enviro, Social, Econ & Comm Issu	02JUL07A	30DEC11	30DEC11	56	56	50	50	9	9								
+ 4.8 - Review of Technical Reports and DIES/R	02JUL07A	30JUN13	30JUN13	42	42	50	50	9	9								
+ 4.9 - Permits and Approval	02JUL07A	30JUN13	30JUN13	42	42	50	50	9	9								
+ 4.10 - Statewide Technical Tasks	02JUL07A	30JUN13	30JUN13	42	42	50	50	9	9								
+ 4.11 - GIS Support Services	02JUL07A	30JUN13	30JUN13	42	42	50	50	9	9								

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<b>Task 5 Regional Consultants Oversight</b>																	
<b>H1 - San Francisco to San Jose -- HNTB</b>																	
+ 5.1 - Project Management	16OCT08A	30MAR12	30MAR12	35	35	50	50	9	9								
+ 5.2 - Meetings	16OCT08A	30MAR12	30MAR12	35	35	50	50	9	9								
+ 5.3 - Engineering and Environmental Review	16OCT08A	30MAR12	30MAR12	35	35	50	50	9	9								
<b>G1 - San Jose to Merced -- PARSONS</b>																	
+ 5.1 - Project Management	10DEC08A	30MAR12	30MAR12	32	32	50	50	9	9								
+ 5.2 - Meetings	10DEC08A	30MAR12	30MAR12	32	32	50	50	9	9								
+ 5.3 - Engineering and Environmental Review	10DEC08A	30MAR12	30MAR12	32	32	50	50	9	9								
<b>E1 - Merced to Fresno -- AECOM</b>																	
+ 5.1 - Project Management	12FEB07A	05DEC12	05DEC12	50	50	50	50	9	9								
+ 5.2 - Meetings	12FEB07A	05DEC12	05DEC12	50	50	50	50	9	9								
+ 5.3 - Engineering and Environmental Review	12FEB07A	17AUG12	17AUG12	52	52	50	50	9	9								
<b>D2 - Fresno to Bakersfield -- URS</b>																	
+ 5.1 - Project Management	12FEB07A	30JUN13	30JUN13	45	45	50	50	9	9								
+ 5.2 - Meetings	12FEB07A	29JUN12	29JUN12	54	54	50	50	9	9								
+ 5.3 - Engineering and Environmental Review	12FEB07A	29JUN12	29JUN12	54	54	50	50	9	9								

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<b>+ 6.10 - Manage Condemnation Contractors</b>																	
	15JAN11	30JUN13	30JUN13	0	0	0	0	0	0								
<b>Task 7 Railroad Sys Operation &amp; Revenue Mgmt</b>																	
<b>+ 7.1 - Definition of Rail Sys Op Mgt Requirements</b>																	
	03AUG09A	30JUN13	30JUN13	16	5	50	36	15	8								
<b>+ 7.2 - Operation Planning</b>																	
	03AUG09A	30JUN13	30JUN13	18	8	50	36	15	10								
<b>+ 7.3 - Ridership and Revenue Forecast Updates</b>																	
	01SEP08A	15AUG13	15AUG13	18	16	50	36	11	3								
<b>Task 8 Construction / Procurement Documents</b>																	
<b>8.1 - Construction</b>																	
<b>+ 8.1.1 - Staging / Procurement Report</b>																	
	01OCT09A	30JUN13	30JUN13	16	8	50	6	9	0								
<b>8.2 - Delivery</b>																	
<b>+ 8.2.1 - Staging / Procurement Monthly Assessment</b>																	
	01OCT09A	30JUN13	30JUN13	16	8	50	6	9	0								
<b>8.3 - Procurement Documents</b>																	
<b>+ 8.3.1 - Procurement Documents</b>																	
	30NOV09A	30APR13	30APR13	4	0	50	0	9	0								

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Work to Go

Baseline

Progress Bar



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## Preliminary Engineering and EIR / EIS Teams

### Regional Design Consultants

#### H1 - San Francisco to San Jose -- HNTB

##### + Alternatives Development

17NOV08A	30JUN10	30JUN10	30JUN10	57	55	50	50	5	5								
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##### + EIS Technical Reports

13FEB09A	04JUL11	04JUL11	04JUL11	39	34	50	43	9	5								
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##### + Engineering 15% Design Submittal

31DEC08A	26NOV10	26NOV10	26NOV10	26	23	50	40	8	5								
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##### + Engineering 30% Design Submittal

29NOV10	06JAN12	06JAN12	06JAN12	0	0	0	0	0	0								
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##### + Environmental Impact Report / Statement

31JUL09A	23NOV11	23NOV11	23NOV11	18	16	50	43	9	5								
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##### + NOD / ROD

27OCT11	30DEC11	30DEC11	30DEC11	0	0	0	0	0	0								
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##### + H1 - Total Project Percent Complete

16OCT08A	06JAN12	06JAN12	06JAN12	25	22	50	43	8	3								
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#### G1 - San Jose to Merced -- PARSONS

##### + Alternatives Development

07JAN09A	31DEC09	08FEB10	08FEB10	100	87	50	46	5	4								
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##### + EIS Technical Reports

30SEP09A	03DEC10	03DEC10	03DEC10	15	4	50	5	9	2								
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##### + Engineering 15% Design Submittal

01MAY09A	29OCT10	29OCT10	29OCT10	40	25	50	8	9	4								
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##### + Engineering 30% Design Submittal

12OCT10	14FEB12	14FEB12	14FEB12	0	0	0	0	0	0								
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##### + Environmental Impact Report / Statement

31DEC09	30DEC11	30DEC11	30DEC11	10	0	35	0	9	0								
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##### + NOD / ROD

05DEC11	07FEB12	07FEB12	07FEB12	0	0	0	0	0	0								
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##### + G1 - Total Project Percent Complete

10DEC08A	07FEB12	07FEB12	07FEB12	15	10	50	34	9	3								
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December 2009

Project Name: 09DC

California High-Speed Train Project  
Program Summary Schedule  
for  
PE & EIR/EIS

Work to Go  
Baseline  
Progress Bar

Executive Summary  
Date 02FEB10  
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<b>E1 - Merced to Fresno -- AECOM</b>																	
+ Alternatives Development																	
	05NOV08A	30DEC09	29JAN10	100	97	50	48	8	7								
+ EIS Technical Reports																	
	03DEC08A	05MAY10	17DEC10	53	40	50	47	4	3								
+ Engineering 15% Design Submittal																	
	10AUG09A	04JUN10		48	40	50	32	8	5								
+ Engineering 30% Design Submittal																	
	25MAR10	28DEC11	28DEC11	0	0	0	0	0	0								
+ Environmental Impact Report / Statement																	
	09MAR10	25JAN12	25JAN12	0	0	0	0	0	0								
+ NOD / ROD																	
	14DEC11	20MAR12	20MAR12	0	0	0	0	0	0								
+ E1 - Total Project Percent Complete																	
	12FEB07A	20MAR12	20MAR12	56	52	50	47	5	4								
<b>D2 - Fresno to Bakersfield -- URS</b>																	
+ Alternatives Development																	
	24SEP08A	22FEB10	02MAR10	81	75	50	50	8	8								
+ EIS Technical Reports																	
	03AUG09A	24MAR11	24MAR11	30	66	50	50	8	8								
+ Engineering 15% Design Submittal																	
	13APR09A	10JAN11	10JAN11	40	44	50	50	8	8								
+ Engineering 30% Design Submittal																	
	04AUG10	27FEB12	27FEB12	0	0	0	0	0	0								
+ Environmental Impact Report / Statement																	
	26JAN10	29AUG11	29AUG11	0	0	0	0	0	0								
+ NOD / ROD																	
	30AUG11	30SEP11	30SEP11	0	0	0	0	0	0								
+ D2 - Total Project Percent Complete																	
	12FEB07A	12MAY12	12MAY12	34	56	50	50	8	8								

Start Date 27AUG07	December 2009	California High-Speed Train Project Program Summary Schedule for PE & EIR/EIS	Executive Summary
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Fiscal Year (FY): July 1, 2009 thru June 30, 2010  
Reporting Period: Dec. 1, 2009 thru Dec. 31, 2009

# Executive Summary

Sheet 10 of 12

Work & Deliverables Description	Start Date	Original Plan Finish Date	Forecast Finish Date	Total Project Planned To-Date %	Total Project Actual To-Date %	FY Plan % To-Date	FY Actual % To-Date	Dec. '09 Planned FY %	Dec. '09 Actual FY %	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14
<b>D1 - Bakersfield to Palmdale -- URS</b>																	
+ Alternatives Development																	
	10JUN09A	23APR10	23APR10	53	27	50	50	8	8								
+ EIS Technical Reports																	
	20JUL09A	22NOV11	21OCT11	19	9	50	50	8	8								
+ Engineering 15% Design Submittal																	
	16JUL09A	08SEP11	20MAY11	31	17	50	50	8	8								
+ Engineering 30% Design Submittal																	
	27JUL10	20JUN12	20JUN12	0	0	0	0	0	0								
+ Environmental Impact Report / Statement																	
	31AUG10	11JUL12	11JUL12	0	0	0	0	0	0								
+ NOD / ROD																	
	12JUL12	22AUG12	22AUG12	0	0	0	0	0	0								
+ D1 - Total Project Percent Complete																	
	12FEB07A	22AUG12	22AUG12	36	18	50	50	8	8								
<b>A1 - Palmdale to Los Angeles -- HMM</b>																	
+ Alternatives Development																	
	24OCT08A	31DEC09	31MAR10	98	80	98	47	1	11								
+ EIS Technical Reports																	
	30APR09A	06APR10	06APR10	47	42	47	42	8	4								
+ Engineering 15% Design Submittal																	
	01JUL09A	21JUN10	21JUN10	40	19	44	21	9	7								
+ Engineering 30% Design Submittal																	
	13MAY10	19OCT11	19OCT11	0	0	0	0	0	0								
+ Environmental Impact Report / Statement																	
	02NOV09A	23AUG11	23AUG11	6	1	12	2	0	0								
+ NOD / ROD																	
	26SEP11	25NOV11	25NOV11	0	0	0	0	0	0								
+ A1 - Total Project Percent Complete																	
	12JAN07A	25NOV11	25NOV11	33	25	36	33	8	6								

Start Date 27AUG07	December 2009	California High-Speed Train Project Program Summary Schedule for PE & EIR/EIS	Executive Summary
Data Date 31DEC09	Project Name: 09DC		Revision
Run Date 02FEB10 11:08			December 2009 Final Release 4
			Checked bh
			Approved RF/NH

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# Executive Summary

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Work & Deliverables Description	Start Date	Original Plan Finish Date	Forecast Finish Date	Total Project Planned To-Date %	Total Project Actual To-Date %	FY Plan % To-Date	FY Actual % To-Date	Dec. '09 Planned FY %	Dec. '09 Actual FY %	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14
<b>B1 - Los Angeles to Anaheim -- STV</b>																	
+ Alternatives Development																	
	02SEP08A	31DEC09	23APR10	100	92	50	20	0	8								
+ EIS Technical Reports																	
	06APR09A	30DEC09	19FEB10	90	45	50	40	6	5								
+ Engineering 15% Design Submittal																	
	18FEB08A	31DEC09	26FEB10	95	85	50	43	8	7								
+ Engineering 30% Design Submittal																	
	04JAN10	26APR11	26APR11	0	0	0	0	0	0								
+ Environmental Impact Report / Statement																	
	08APR09A	10NOV10	09FEB11	25	12	50	30	4	4								
+ NOD / ROD																	
	13DEC10	24JAN11	24JAN11	0	0	0	0	0	0								
+ B1 - Total Project Percent Complete																	
	29DEC06A	26APR11	26APR11	65	45	50	30	5	5								
<b>C1 - Los Angeles to San Diego -- HNTB</b>																	
+ Alternatives Development																	
	01SEP08A	30JUN10	30JUN10	80	55	50	33	9	3								
+ EIS Technical Reports																	
	01JUL10	11JUL13	11JUL13	0	0	0	0	0	0								
+ Engineering 15% Design Submittal																	
	15JUL10	15OCT11	15OCT11	0	0	0	0	0	0								
+ Engineering 30% Design Submittal																	
	15FEB12	15MAY13	15MAY13	0	0	0	0	0	0								
+ Environmental Impact Report / Statement																	
	15OCT11	01OCT13	01OCT13	0	0	0	0	0	0								
+ NOD / ROD																	
	01OCT13	30NOV13	30NOV13	0	0	0	0	0	0								
+ C1 - Total Project Percent Complete																	
	06FEB07A	30NOV13	30NOV13	11	9	50	33	9	3								

Start Date 27AUG07 Data Date 31DEC09 Run Date 02FEB10 11:08	December 2009 Project Name: 09DC	California High-Speed Train Project Program Summary Schedule for PE & EIR/EIS	Executive Summary Date 02FEB10 Revision December 2009 Final Release 4 Approved bh Checked RF/NH
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Fiscal Year (FY) : July 1, 2009 thru June 30, 2010  
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# Executive Summary

Sheet 12 of 12

Work & Deliverables Description	Start Date	Original Plan Finish Date	Forecast Finish Date	Total Project Planned To-Date %	Total Project Actual To-Date %	FY Plan % To-Date	FY Actual % To-Date	Dec. '09 Planned FY %	Dec. '09 Actual FY %	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14
<b>E2 - Merced to Sacramento-- AECOM</b>																	
+ Alternatives Development																	
29JUN09A	08SEP10	08SEP10	08SEP10	43	25	50	22	8	4								
+ EIS Technical Reports																	
31AUG09A	16MAR11	11FEB11	11FEB11	6	6	50	22	9	6								
+ Engineering 15% Design Submittal																	
31JUL09A	26APR11	26APR11	26APR11	3	3	50	21	9	7								
+ Engineering 30% Design Submittal																	
12FEB12	08MAR13	08MAR13	08MAR13	0	0	0	0	0	0								
+ Environmental Impact Report / Statement																	
14OCT10	06DEC12	06DEC12	06DEC12	0	0	0	0	0	0								
+ NOD / ROD																	
06DEC12	06FEB13	06FEB13	06FEB13	0	0	0	0	0	0								
+ E2 - Total Project Percent Complete																	
12FEB07A	06FEB13	06FEB13	06FEB13	48	26	50	22	9	5								
<b>F1 - Altamont Pass -- AECOM</b>																	
+ Alternatives Development																	
14NOV08A	01JUL10	01JUL10	01JUL10	35	17	28	28	9	9								
+ EIS Technical Reports																	
01JUL10	24NOV11	24NOV11	24NOV11	0	0	0	0	0	0								
+ Engineering 15% Design Submittal																	
01JUN09A	07JUL11	07JUL11	07JUL11	25	10	28	28	9	9								
+ Engineering 30% Design Submittal																	
16DEC11	02JAN13	02JAN13	02JAN13	0	0	0	0	0	0								
+ Environmental Impact Report / Statement																	
18FEB11	21FEB13	21FEB13	21FEB13	0	0	0	0	0	0								
+ NOD / ROD																	
22FEB13	22APR13	22APR13	22APR13	0	0	0	0	0	0								
+ F1 - Total Project Percent Complete																	
14NOV08A	22APR13	22APR13	22APR13	30	15	28	28	9	9								

Start Date 27AUG07	December 2009	California High-Speed Train Project Program Summary Schedule for PE & EIR/EIS	Executive Summary
Date 02FEB10 11:08	Project Name: 09DC		Revision December 2009 Final Release 4
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Run Date			Approved RFN

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# CA HSRA Program Management Team

## Progress Report – December 2009

### **1) Highlights and Issues**

#### Overview

The Program Management Team (PMT) made significant progress in December on a wide front, including engineering guidance, submittal of technical packages to the Federal Railroad Administration (FRA) as part of the development of regulations that will govern high speed train (HST), environmental review of draft Alternatives Analyses, finalization and production of the Authority's 2009 Business Plan, ridership work, and operations planning in the Caltrain and LOSSAN sections.

The PMT has completed an estimated 40% of the fiscal year's planned work, with hours billed at a 42% of the fiscal year's budget. While the progress is 12% lower than originally planned, largely because of lower than anticipated activity early in the fiscal year, resources and time are available to recover the schedule and complete the fiscal year's work as planned.

December's billed work of 10,500 hours brought the total for the fiscal year to 97% of the plan. Actual dollars invoiced of \$1.9 million brought the cumulative billings to \$10.48 million, 88% of the plan. Unrealized billings by several sub-consultants (whose work does not appear as hours) is a one reason for the billings being lower.

Issues needing resolution to allow progress include PMT staffing levels, finalization of working arrangements with Caltrain, more rapid Authority and Attorney General staff reviews of environmental and other documents, and Authority decisions affecting the engineering task regarding utilities and seismic design technical panel.

#### PMT Schedule/Scope/Budget

This report covers work and expenditures from July through December 2009, a period covered by two Notices to Proceed (NTPs), the first received in June 2009 for \$3 million and the second in August 2009 for \$11.75 million. Actual expenditures and hours for the period are measured against the sum of the two NTPs, i.e. \$14.75 million, and against a monthly plan of spending and hours developed for the full fiscal year.

The PMT is running at 88% of originally planned spending through December having spent \$10.48 million. At the current rate of spending, sufficient budget remains to continue work through January and February, 2010, pending receipt of an NTP for the remainder of the fiscal year.

Estimated progress on planned work is 40% of the original plan. However, sufficient time and resources will be available in the second half of the fiscal year to recover the full fiscal year plan in all critical areas.

Since creation of the original budget by month and task shown in the detail tables, amounts have been re-allocated, but the total budget has not been modified. In the January report, the task budgets will reflect actuals to date, the current budgeted amounts in the active NTP, and re-estimates of cost to complete the fiscal year's activities.

## 2) Cost, Hours and Progress

This report's actual cost and hours data cover the four week billing period from November 21 through December 18, 2009 and the "six-month" period from July 1 through December 18, 2009. Since the planned hours, expenditures, and progress are estimated on the basis of calendar months from July 1 to December 31, the actuals from the accounting system represent two fewer weeks cumulatively than the plan and the progress reported.

### a. Dollars spent

In the December billing period, \$1.9 million was billed, 90% of the monthly plan. Cumulative spending through December 18 was \$10.5 million, 88% of the plan for July through December.

**Figure 1: Billings Planned and Actual – Period ending December 18, 2009**

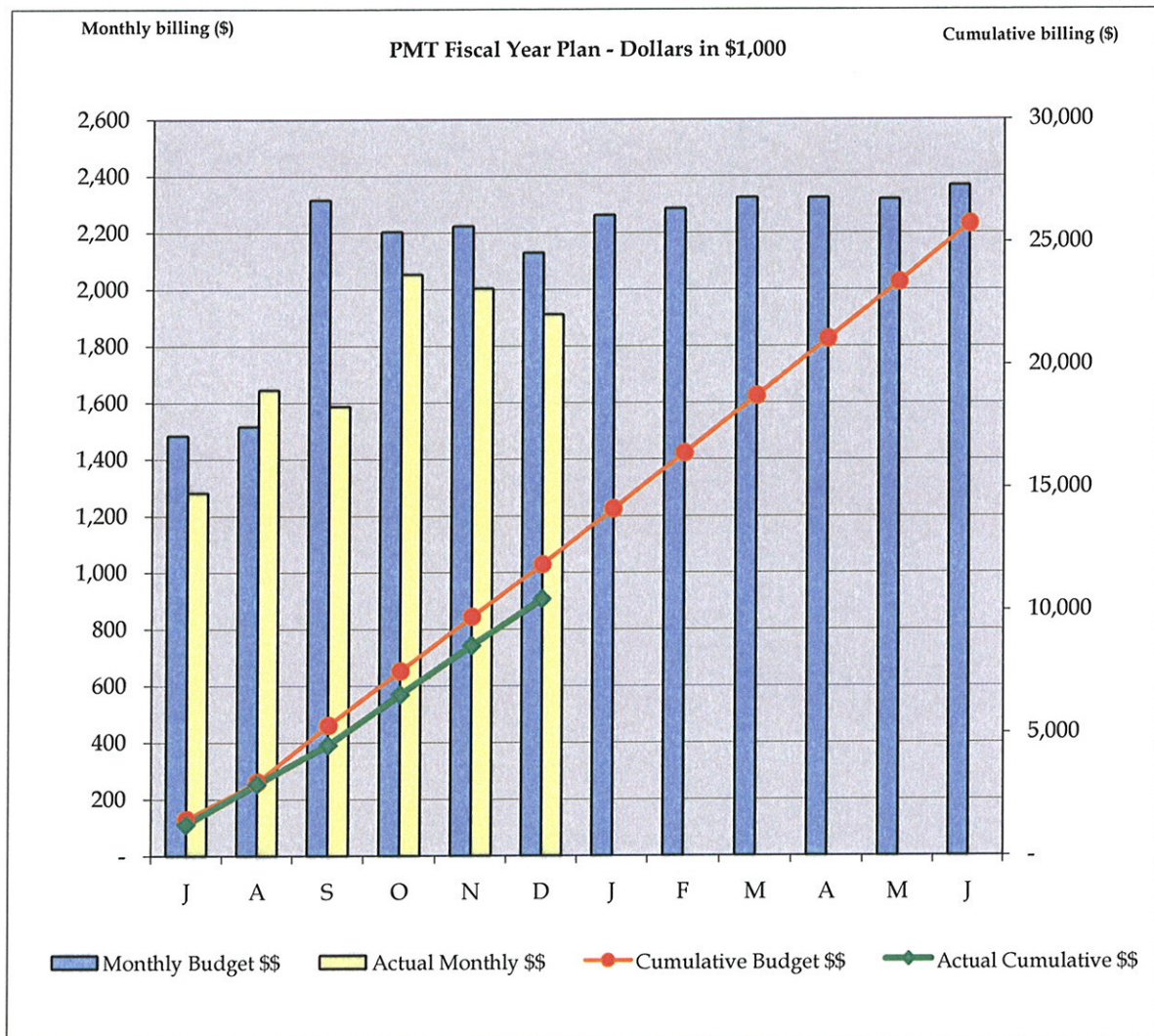


Table 1 on the next page shows the budgeted and actual billings by task.



Table 1: Billings by Task - Period ending December 18, 2009

Program Management Team						
FY 2009 / 2010 Dollars Spent		Month (\$1,000)		Cumulative (\$1,000)		% Over/ (Under)
Task		Planned	Actual	Planned	Actual	
1	Program Management	201.6	191.8	1,211.2	1,320.6	9%
2	Public Outreach & Comm	47.0	127.1	210.0	503.2	140%
3	Engineering & Design Magement	1,001.1	766.9	5,439.7	4,783.3	-12%
	3.1 Team Management	75.3	80.0	464.4	444.6	-4%
	3.2 Infrastructure	282.1	199.5	1,614.9	1,424.5	-12%
	3.3 Systems	201.7	216.5	1,075.3	1,185.0	10%
	3.4 Operations	-	-	-	85.6	0%
	3.5 Maintenance	69.1	54.0	340.7	381.9	12%
	3.6 Rolling Stock	99.3	74.0	506.5	379.9	-25%
	3.7 Regulatory Approvals	110.4	73.1	509.9	454.1	-11%
	3.8 Standard Drawings	61.7	33.2	359.9	248.9	-31%
	3.9 Standard Specifications	6.4	-	34.1	-	-100%
	3.10 Cost Estimating	36.6	19.1	216.7	103.7	-52%
	3.11 Design Manual	11.1	1.1	64.0	47.0	-27%
	3.12 Design Submittal Reviews	47.4	16.4	253.2	28.2	-89%
4	Environmental	126.4	111.1	700.5	646.1	-8%
5	Regional Managers	435.7	391.0	2,606.6	1,866.4	-28%
	5A Palmdale to Los Angeles	72.1	47.2	387.3	252.3	-35%
	5B Los Angeles to Anaheim	56.5	72.4	380.6	321.4	-16%
	5C Los Angeles to San Diego	72.5	80.0	408.2	333.0	-18%
	5D Fresno to Palmdale	51.1	41.4	317.2	196.4	-38%
	5E Sacramento to Fresno	48.5	40.0	308.9	183.6	-41%
	5F Altamont Pass	13.1	-	71.4	19.6	-73%
	5G San Jose to Central Valley Wye	58.4	52.8	346.5	298.1	-14%
	5H San Francisco to San Hose	63.5	57.2	386.6	262.1	-32%
6	Right of Way Acquisition	46.1	4.1	179.1	51.4	-71%
7	Rail Road Operations & Ridership	230.5	191.4	1,316.4	671.2	-49%
8	Construction & Procurement	41.1	-	208.1	-	-100%
	*OCTA	-	127.3	-	637.9	0%
TOTAL		2,129.5	1,910.6	11,871.6	10,480.1	-12%

\* OCTA does not have a separate plan, but is part of all tasks relating to Orange County.



*Review of significant departures from planned task spending*

**Program Management** remains over budget cumulatively after the unanticipated September / October work on the ARRA applications preparation, noted in the October report. However, December's billing was under budget, lowering the cumulative overage to 9%, and this trend is expected to continue with the task remaining within budget for the fiscal year.

**Public Outreach and Communications** continued to exceed the plan because the Authority's directly-hired consultant was not on board and the PMT was directed to continue the outreach work beyond the original end date. Currently this extra cost is anticipated to continue through January.

**Engineering and Design Management** is currently 12% under planned spending, despite the billing of work to operations engineering (Task 3.4) that was planned to be in Tasks 7.1 and 7.2.

*Infrastructure, Rolling Stock, Standard Drawings, Cost Estimating and Design Submittal Reviews* are all proceeding more slowly than planned; each sub-task billed \$100,000 less than planned in the first six months of the fiscal year. *Systems* work is in the opposite situation, having incurred \$100,000 more than planned in six months.

**Regional Team Management** is 28% below planned spending for the six-month period, compared to 36% below for the November report. The planned addition of PMT staff did not occur in July as originally planned, due to budget uncertainties, and need to identify staff. However, work is now at 90% of planned level in the month.

**Right of Way Acquisition** completed its initial task early in November, and the small amount billed in the December period is the final expected billing on this task. The remainder of the work has not been started, pending the completion of an Authority review of the approach to be taken.

**Railroad Operations and Ridership** is 49% or \$635,000 under plan because of:

- Billing to the Engineering operations task of \$86,000.
- Unrealized billing of an estimated \$112,000 by the ridership sub-consultant for December.
- Delayed start on Task 7.1 Rail Operations Management and 7.2 Operations Planning.
- Late start on full effort in Task 7.3 Ridership Forecasting, in part because of diversion of effort to work on the ARRA applications.

These tasks will be given higher priority and attention beginning in January.

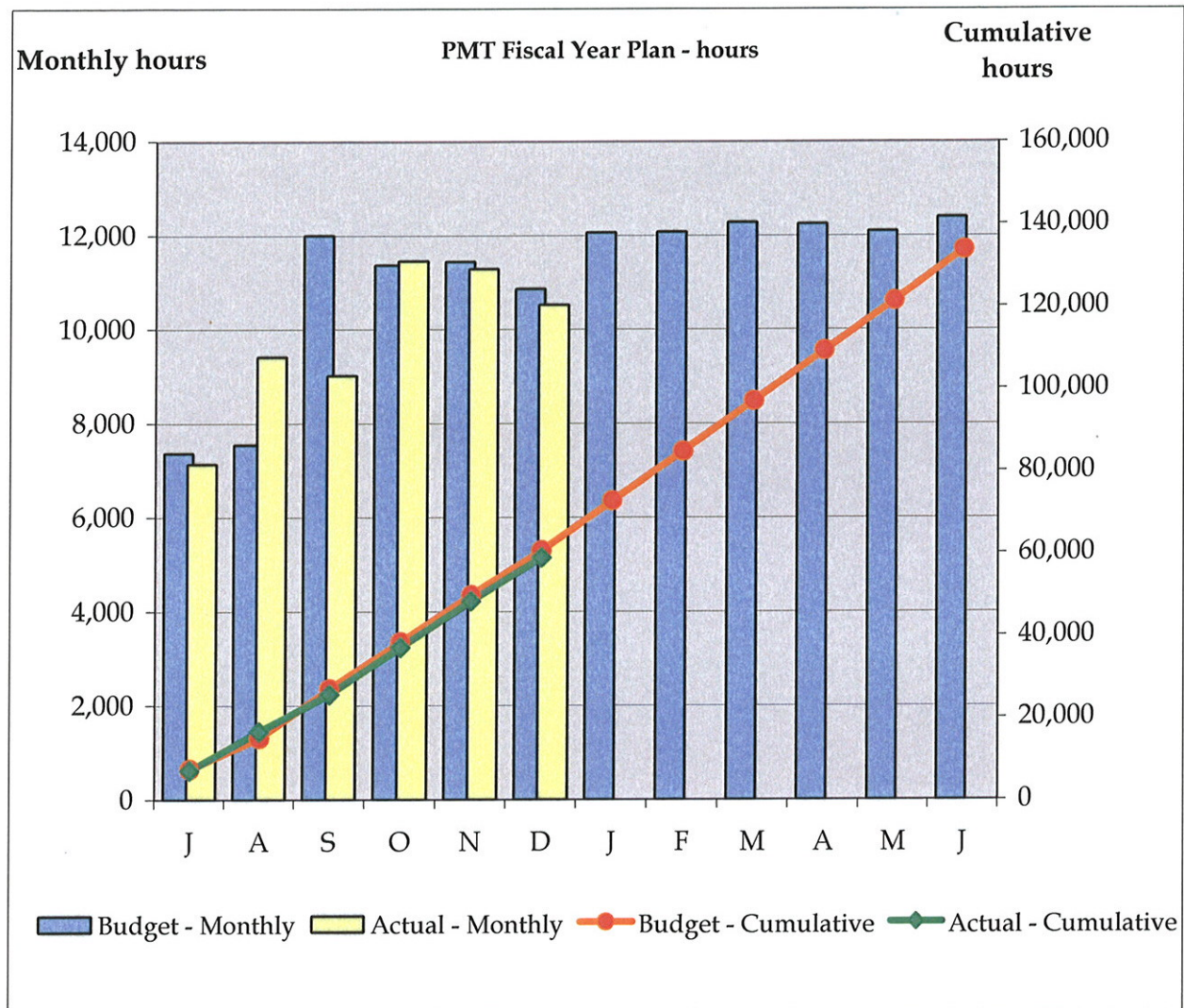
**Construction and Procurement** was staffed in October. However, the engineer was assigned full time to regional team management for the LOSSAN corridor, until regional staff could be added there. Work is expected to begin on this task in February.

The **OCTA task** budget costs are embedded in task 1, 3, 4, 5 and 7.

### b. Hours Worked

In the four weeks ending December 18, 2009, 10,572 hours were billed, bringing the cumulative billing to 97% of the plan. Figure 2 shows the hours planned and billed by month.

Figure 2: Hours worked planned and actual - period ending December 18, 2009



While the PMT is under budget for cost, it is on target for its hours. Several events explain this phenomenon:

- Use of less expensive design staff in Engineering Systems to handle the San Francisco – San Jose Caltrain corridor work per the Authority's agreement with the Peninsula Joint Powers Board.
- Delay in or deferral of activating several more senior staff in engineering and operations.



Table 2: Hours by Task - Period ending December 18, 2009

Program Management Team						
FY 2009 / 2010 Hours		December		Cumulative		
Task		Planned	Actual	Planned	Actual	% Over / (Under)
<b>1</b>	<b>Program Management</b>	<b>1,310</b>	<b>1,251</b>	<b>8,056</b>	<b>8,412</b>	<b>4%</b>
<b>2</b>	<b>Public Outreach &amp; Communications</b>	<b>88</b>	<b>485</b>	<b>528</b>	<b>2,250</b>	<b>326%</b>
<b>3</b>	<b>Engineering &amp; Design Management</b>	<b>4,483</b>	<b>4,286</b>	<b>24,335</b>	<b>27,389</b>	<b>13%</b>
	3.1 Team Management	354	370	2,178	2,226	2%
	3.2 Infrastructure	1,326	1,081	7,574	7,571	0%
	3.3 Systems	948	1,313	5,046	7,392	46%
	3.4 Operations	0	0	0	453	0%
	3.5 Maintenance	325	251	1,600	1,946	22%
	3.6 Rolling Stock	467	403	2,378	2,344	-1%
	3.7 Regulatory Approvals	519	535	2,396	3,370	41%
	3.8 Standard Drawings	290	197	1,687	1,589	-6%
	3.9 Standard Specifications	30	0	160	0	-100%
	3.10 Cost Estimating	172	134	1,016	648	-36%
	3.11 Design Manual	52	4	300	239	-20%
	3.12 Design Submittal Reviews	223	77	1,188	130	-89%
<b>4</b>	<b>Environmental</b>	<b>686</b>	<b>680</b>	<b>3,680</b>	<b>3,672</b>	<b>0%</b>
<b>5</b>	<b>Regional Managers</b>	<b>2,272</b>	<b>1,928</b>	<b>13,583</b>	<b>9,046</b>	<b>-33%</b>
	5A Palmdale to Los Angeles	394	220	2,113	1,174	-44%
	5B Los Angeles to Anaheim	265	331	1,794	1,349	-25%
	5C Los Angeles to San Diego	359	298	2,018	1,291	-36%
	5D Fresno to Palmdale	265	247	1,652	1,128	-32%
	5E Sacramento to Fresno	265	264	1,692	1,302	-23%
	5F Altamont Pass	46	0	248	104	-58%
	5G San Jose to Central Valley Wye	288	282	1,683	1,539	-9%
	5H San Francisco to San Jose	390	286	2,383	1,230	-48%
<b>6</b>	<b>Right of Way Acquisition</b>	<b>471</b>	<b>42</b>	<b>1,882</b>	<b>537</b>	<b>-71%</b>
<b>7</b>	<b>RR Operations &amp; Ridership</b>	<b>1,119</b>	<b>1,148</b>	<b>6,279</b>	<b>3,834</b>	<b>-39%</b>
<b>8</b>	<b>Construction &amp; Procurement</b>	<b>212</b>	<b>0</b>	<b>1,066</b>	<b>0</b>	<b>-100%</b>
	*OCTA	0	631	0	3,135	0%
	<b>TOTAL</b>	<b>10,864</b>	<b>10,527</b>	<b>60,597</b>	<b>58,860</b>	<b>-3%</b>

\* OCTA does not have a separate plan, but is part of all tasks relating to Orange County.

**c. Progress of work and comparison to hours billed**

The PMT has achieved an estimated 40 percent of its planned work as of December, compared to a planned 46%.

Public Outreach and Communications was planned to transfer from the PMT to the Authority effective July 1, 2009. This transfer did not take place until January 1, 2010. The Authority requested that Public Outreach and Communications continue under the PMT contract which accounts for the unbudgeted amounts.

The PMT has billed 42 percent of the total 133,722 budgeted hours, which is slightly behind plan.



### **3) Progress and Accomplishments by Task**

#### **Task 1. Program Management and Controls**

- Assisted in developing and finalizing the Authority's 2009 Business Plan submittal to the Legislature, which was delivered on December 14, 2010.
- Held weekly teleconference status calls with key Authority and PMT staff and attended December Board meeting.
- Updated PMT and overall master schedule to reflect progress made in prior month. Refined master schedule to provide more focused status of ARRA, Business Plan, and other key milestones.
- Initiated regular Issues Resolution meetings with senior Authority staff to address and track top priority issues.
- Accepted resignation of Operations Manager, effective December 31, identified and obtained commitment for Ken Hartley to begin full time in early January in Sacramento.
- Attended Alternatives Analysis workshop for Palmdale to Sylmar with Federal Railroad Administration and Attorney General's staff
- Met with Mayor and City Engineer of Corona about alignment alternatives LA – S.D.
- Made presentation on CA HSR at the Construction Super Conference in SF
- Met with Bombardier re: project update
- Met with Phil Angelides regarding impacts around Gilroy
- Met with UP to review SJ-Gilroy issues and to prioritize review of other areas

#### **Task 2. Public Education and Outreach**

Completed final month of responsibility for assisting in outreach; the Authority will manage separate contract beginning in January.

- Coordinated inquiries from and scheduled meetings and interviews with reporters and members of the public.
- Held weekly and bi-weekly calls to update regional consultant teams on activities and coordinate outreach.
- Advised on segment-specific outreach plans and activities, as well as on media coverage, city managers' meetings, and other interagency meetings.
- Prepared and coordinated Authority board members for media interviews and provided them with weekly stakeholder meeting reports.
- Managed production of the 2009 Business Plan.
- Assisted in meetings and presentations on HST program.
- Prepared program update material and ongoing communications, as appropriate.

#### **Task 3. Engineering and Design Management**

##### Key developments and accomplishments

- Updated Program level capital cost estimates to reflect adopted changes and fiscal year of expected expenditure.
- Met with Utility companies in Southern California to coordinate traction power connections to the State Power Grid.
- Issued CD with released Tech Memos (TMs) and Directive Drawings as of December 3, 2009 to Regional Consultants.
- Completed first draft of ADA-related System Requirements for internal review.



- Completed internal draft of Technical Memorandum (TM ) 2.10.5 Seismic Design Bench Marks for internal review.
- Completed 30% Design preliminary Engineering (PE) Seal Requirements Engineering Management Team (EMT) Memorandum for internal review and guidance.
- Completed draft boilerplate text for EMT Memo on maintenance faculties for use by CHSTP Environmental team
- Finalized TM 6.2 Intro of Asian and European HSR to California as an internal strategy document.
- Submitted the following CHSTP System Requirement (SR) packages to FRA for review:
  - a. SR Package 9 – Wind, Vibration, Pressure, Piston Effects
  - b. SR Package 32 – Traction, Wheels, Wheel adhesion
  - c. SR Package 26 -- Aerodynamics, Crosswinds
  - d. SR Package 46 -- Rolling Stock ADA Requirements
- Conducted FRA review for the following CHSTP SR Packages
  - a. SR Package 42 – Track Space, Access, Intrusion
- Completed System-wide Environmental Documentation for:
  - a. Tunnel Ventilation
  - b. HST Elements with Potential for Visual Impact
- Reviewed LA-Anaheim – Subsurface Exploration Program Proposal

#### Key meetings (technical /outreach)

- 03 Dec – Engineering Managers telecon
- 04 Dec – SF-SJ – Structures review meeting in SF
- 04 Dec - Technical Exchange Teleconference with Chinese Ministry of Rail
- 07 and 21 Dec – FRA - telecon to review status of rule development
- 08 Dec – LA-Anaheim – Workshop review of stations and maintenance facilities in Irvine
- 09 Dec – Utility Interconnection Webcast
- 09 Dec – Fresno-Bakersfield – Quantm Alignment review in SF
- 09 Dec – Caltrain Corridor Coordination in SF
- 10 Dec – LA-SD – Alignment Review in San Diego
- 10 Dec – Review Manager Training in SF
- 14 Dec – CHSTP Engineering Manager Quarterly Meeting in SF
- 15 Dec – EMT Managers Monthly Progress Meeting in SF
- 15 and 16 Dec – Unit Cost review session in SF
- 16 Dec - CHSTP SR Package 42 Review with FRA
- 17 Dec – Sac-Fresno – Structures Coordination in Sacramento
- 18 Dec – Traction Power Coordination Meeting with City of Anaheim in Anaheim
- 18 Dec – Traction Power Coordination Meeting with LADWP in LA
- 22 Dec – LA-Anaheim – Structures Webinar

#### Issues and areas of concern (length of time on list)

- Need Authority approval of:
  - a. Non-Disclosure Agreement for PG&E (2<sup>nd</sup> month)
  - b. Approach for So Cal Edison retainer and fee requirement for a Method of Service Study (2<sup>nd</sup> month)
  - c. Technical Advisory Panel - Seismic Design
- Need to confirm at-grade access feasibility of Anaheim West to LAUS and ARTIC, including operational issues for underground platforms at ARTIC (2<sup>nd</sup> month)

- Need to confirm roles and responsibilities for design development and delivery of the Caltrain and CHSTP improvements in the Peninsula Corridor (2<sup>nd</sup> month)

Action items and planned work in next month (length of time on list)

- Continue CHSTP System Requirement development in support of FRA Rule of Particular Applicability in accordance with plan
- Continue development of 15% Cost Item unit prices for completion by January, a delay of a month. Review with LA-Anaheim team indicates no impact on schedule
- Review LA-Anaheim Design Submittal Updates
- Implement Review Manager for tracking design submittal reviews and comments and train Regional Teams in its use. (2<sup>nd</sup> month)
- Continue development of CHSTP Design Manual Outline (2<sup>nd</sup> month)
- EMT Memo – Finalize Automatic Train Control systems approach (2<sup>nd</sup> month)
- EMT Memo – Communications Strategy and Architecture
- Finalize TM 0.1.1 30% Design Scope Tech Memo (2<sup>nd</sup> month)
- Continue development of TM 2.8.2 Access Control (2<sup>nd</sup> month)
- Implement EMT Memo – Technical Advisory Panel – Seismic Design (2<sup>nd</sup> month)
- Finalize EMT Memo – Test Site Completion Sequence – Draft (2<sup>nd</sup> month)
- Finalize System-wide Environmental Documentation for
  - a. Safety and Security (2<sup>nd</sup> month)
  - b. EMI and EMF (2<sup>nd</sup> month)

#### **Task 4. Environmental Guidance and Review**

Key developments and accomplishments

- Continued discussions with SHPO, DFG, EPA, US Army Corps of Engineers (USACE) and USFWS regarding agency staff funding. Met with Authority and California's Attorney General (AG) staff to provide status update.
- Continued coordination meetings with Regional environmental teams
- Conducted bi-weekly conference calls with regional team environmental leads
- Continued biweekly coordination with Authority, AG, and FRA and on-going environment tasks
- Continued update of environmental methodologies in response to agency and regional teams comments and new information
- Completed uploading of draft Agency Consultation Plans to Authority website [www.cahighspeedrail.ca.gov](http://www.cahighspeedrail.ca.gov)
- Completed review of draft Tribal Consultation Plans
- Provided comments on initial draft of Fresno to Bakersfield Alternatives Analysis (AA) Report
- Initiated review of draft Bakersfield to Palmdale Scoping Report
- Initiated review of draft Merced to Fresno and Fresno to Bakersfield Scoping Reports
- Assisted with drafting text for Authority's 2009 Business Plan
- Met with the California Department of Conservation for program briefing and discussion of Central Valley projects
- Meet with the National Marine Fisheries Service for program briefing and discussion of Central Valley projects
- Reviewed draft purpose and need statements for San Francisco-San Jose, Los Angeles- Anaheim, San Jose-Merced, Merced-Fresno, and Fresno-Bakersfield.
- Initiated reviewed of baseline reports for Palmdale-LA technical reports



- Reviewed numerous baseline technical reports and EIR/EIS baseline sections for LA-Anaheim

Key meetings (technical /outreach)

- 01 Dec - Briefed Dept. of Water Resources staff; and discussed San Jose to Merced project; attended Palmdale to Los Angeles Alternatives Analysis Workshop
- 10 Dec – Held Army Corps of Engineers staff funding call; attended LA- Anaheim USACE meeting
- 14 Dec - Held conference call to discuss preparation status for draft HST Urban Design Guidelines; LA-Anaheim environmental coordination meetings
- 15 Dec -Held Authority/FRA/AG environmental team coordination call
- 21 Dec - Convened conference call with the San Francisco to San Jose team regarding Army Corps Section 408 evaluation and permitting requirements, December 21
- 22 Dec - Meeting with California Department of Parks to discuss staff funding issue.
- 30 Dec --Participated on conference call with the Los Angeles District, US Army Corp of Engineers regarding Section 408 evaluation and permitting requirements. Convened conference call with FRA and Los Angeles to Anaheim Section 106 cultural resources staff to discuss draft programmatic agreement

Issues and areas of concern

- Timely review of environmental documents and technical memos by the AG and FRA

Action items and planned work in next month (length of time on list)

- Continue to develop staff funding interagency agreements with the SHPO, DFG, EPA, Corps, and USFWS.
- Coordinate with USEPA on Air Quality conformity
- Continue coordination with Authority/FRA/AG on on-going environmental tasks.
- Conduct bi-weekly conference calls with regional team environmental leads
- Continue coordination with all Regional teams
- Continue close coordination with LA-Anaheim team on ongoing EIR/EIS work and the coordination process with US Army Corp of Engineers, including weekly team meetings
- Finalize update of environmental methods for FRA/AG review (2<sup>nd</sup> month)
- Final review of Purpose and Need statements for all sections
- Review Project Description chapters of LA-Anaheim and other sections as they are completed
- Continue to review baseline reports for LA-Anaheim and LA-Palmdale sections as they are completed
- Continue to review EIR/EIS sections for LA-Anaheim as they are completed
- Continue to hold LA-Anaheim USACE Section 408 meetings and start Sec. 404 briefings
- Review and finalize Agency Coordination Plans, Tribal Plans, and Environmental Justice Plans for all sections (2<sup>nd</sup> month)

**Task 5. Regional Consultant (RC) Oversight**Key developments and accomplishments

- Continued coordination meetings and calls with Regional environmental teams, and staff from Authority, C Atty. General (AG), and Federal Railroad Administration (FRA).
- Merced – Fresno – Participated in two Technical Working Group (TWG) meetings and two Public Information meetings; participated in Board presentation of alternatives resulting in direction to not eliminate any, continued review of draft Alternatives Analysis (AA) report.
- Fresno – Bakersfield – Developed strategy for Permit to Enter letters, participated in 2nd Public Information Meeting; sent plans to BNSF for review, participated in Board presentation of alternatives, began review of draft AA report
- Bakersfield - Palmdale -- Reviewed alignments for Tehachapi, which still average over 2.5% grade, with PMT engineering, began review of draft Scoping Report, scheduled January AA meeting with Authority/FRA/PMT.
- Palmdale – Los Angeles Union Station (LAUS) – Reviewed Glendale-Sylmar grade separation options, alignment options for various sensitive areas including the Winery, Golden Oak Ranch, and Sylmar to Palmdale, and eight environmental baseline reports; meetings held with LA Metro and municipalities.
- LAUS – Anaheim -- Briefed and met with various municipalities, ARTIC station designers, USACEC, and LA Metro; assisted in reviews of stations and facilities designs, with particular emphasis on ARTIC and LAUS.
- LA – San Diego – Reviewed alignment alternatives, participated in three TWG meetings, various briefings of Caltrans Districts, CEOs of LA Basin regional agencies, and began search for layover and maintenance sites at southern end of line.
- San Jose – Merced – Participated in Board presentation of alternatives resulting in direction to continue as recommended plus evaluation of trench through Gilroy, began review of revised RC work plan, held second series of TWG meetings, and met with UP to review SJ-Gilroy alignment.
- Merced – Sacramento – Reviewed preliminary alignment drawings, approved Federal Notice of Intent (NOI) and State Notice of Project, and set scoping meetings for January.
- San Francisco - San Jose – reviewed draft AA report, held training session for team on Context-Sensitive Solutions, made presentations and met with legislative staff, rail users group, various municipal agencies.
- Altamont Corridor -- Published notice of Intent/Notice of Preparation, began documentation of November scoping meetings, prepared draft Agency Coordination Plan.

Issues and areas of concern

- Timely review of environmental documents and technical memos by the AG and FRA.



**Task 6. Right of Way Acquisition and Assessment**Key developments and accomplishments

- Finalized review of status of RC right of way activities.
- No further work planned pending Authority review of strategy

**Task 7. Rail Road Operations Planning and Ridership/Revenue Forecasting**Key developments and accomplishments

- Continued review with Orange County Transportation Authority and other Southern California agencies on the feasibility and ridership consequences of various LA-Anaheim passenger service, track configuration, and upgrade scenarios.
- Continued Caltrain corridor detailed operations analysis and definition of SF-San Jose passenger service, track configuration, and upgrade scenarios.
- Held kick-off meeting to develop work plan for investment grade forecasting
- Prepared draft of station boardings, access activity, and unconstrained parking requirements based on Cambridge Systematics runs with higher parking cost to include in the parking policy guidelines being finalized by the PMT environmental staff.
- Delivered information on local distribution of trips from stations in the Central Valley to regional teams and continued developing vehicle mile reduction information for environmental team
- Completed run with higher parking costs at stations for Phase 1, expanded Hanford/Visalia results to 2035, began second Hanford/Visalia scenario run.
- Continued refinements to the Bay Area intraregional model, completing assessment of existing transit networks and correcting several scripting issues. Began recalibration with a new validation dataset.

Action items and planned work in next month *(length of time on list)*

- Prepare draft of Caltrain corridor detailed operational analysis.
- Develop specific scenarios to support revenue forecasting. *(2nd month)*
- Revise draft report on rationalized service between LAUS and Anaheim involving HSRA, OCTA, Metrolink, and Amtrak services.
- Prepare estimate of effect on Metrolink and Amtrak riders.
- Support estimation of run times on new Corona and other alignments LA – SD. *(2nd month)*
- Develop operating pattern for ridership forecast splitting service between Transbay Terminal and 4th & King station.
- Complete second Hanford/Visalia forecast to 2035.
- Resubmit draft on station boardings and access activity with higher parking charge.
- Complete refinements to the MTC model. *(2nd month)*
- Submit proposed work plan for investment grade forecasting.

**Task 8. Construction and Procurement**

Key developments and accomplishments

- There has been minor work in support of preparing for procurement documents. No time has been billed against this task to date.



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# Program Management Team

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Work & Deliverables Description	Start Date	Original Plan Finish Date	Forecast Finish Date	Total Project Planned To-Date %	Total Project Actual To-Date %	FY Plan % To-Date	FY Actual % To-Date	Dec. '09 Planned FY %	Dec. '09 Actual FY %	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14
<b>CA HSRA Program Management Team</b>																	
<b>Task 1 Project Management &amp; Controls</b>																	
<b>1 - Program Management &amp; Controls</b>																	
+ 1.1 - Program Management	16NOV06A	30JUN13	30JUN13	47	47	50	50	9	9								
+ 1.2 - Schedule & Document Controls	16NOV06A	01JUL13	01JUL13	47	47	50	50	9	9								
+ 1.3 - Admin, Contracts, Special Projects	16NOV06A	30JUN13	30JUN13	47	47	50	50	9	9								
+ 1.4 - Quality Assurance & Quality Control	16NOV06A	30JUN13	30JUN13	47	47	50	50	9	9								
<b>Task 2 Public Education &amp; Communications</b>																	
<b>2 - Public Education &amp; Communications</b>																	
+ 2.3 - State, Federal and Regional Interest Coord	16NOV06A	31DEC09	31DEC09A	100	100	100	100	12	12								
<b>Task 3 Engineering Criteria &amp; Design Management</b>																	
<b>3.1 - Team Management</b>																	
+ 3.1.1 - Engineering Task Mgmt Plan and Protocols	16NOV06A	30JUN13	30JUN13	47	46	50	45	9	3								
<b>3.2 - Infrastructure</b>																	
+ 3.2.1 - Develop CHSTP System Requirements	02JUL07A	30JUN10	30JUN10	67	65	50	47	5	2								
+ 3.2.2 - Technical Memo, Standard Plans & Specs	02JUL07A	31DEC10	31DEC10	69	68	50	43	8	3								
+ 3.2.3 - Engineering Support	02JUL07A	30JUN13	30JUN13	48	47	50	43	8	2								
<b>3.3 - Systems</b>																	
+ 3.3.1 - Develop CHSTP System Requirements	02JUL07A	30JUN10	30JUN10	47	45	50	47	5	2								
+ 3.3.2 - Technical Memo, Standard Plans & Specs	02JUL07A	30JUN10	30JUN10	51	50	50	37	8	3								

Start Date 27AUG07	December 2009	Project Name: 09DC	California High-Speed Train Project Program Summary Schedule for PE & EIR/EIS	Work to Go Baseline Progress Bar	Program Management Team (PMT)
Date 02FEB10	Revision December 2009 Final Release 4	Checked BY/NT	Approved BY/NT		
Run Date 02FEB10 11:09					
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## Program Management Team

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Work & Deliverables Description	Start Date	Original Plan Finish Date	Forecast Finish Date	Total Project Planned To-Date %	Total Project Actual To-Date %	FY Plan % To-Date	FY Actual % To-Date	Dec. '09 Planned FY %	Dec. '09 Actual FY %	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14
<b>+ 3.3.3 - Engineering Support</b>																	
	02JUL07A	30JUN13	30JUN13	52	50	50	33	8	2								
<b>3.5 - Maintenance</b>																	
<b>+ 3.5.1 - Technical Memoranda</b>																	
	02JUL07A	30JUN10	30JUN10	57	55	50	37	8	2								
<b>+ 3.5.2 - Technical Support</b>																	
	02JUL07A	30JUN10	30JUN10	71	69	50	33	8	7								
<b>3.6 - Rolling Stock</b>																	
<b>+ 3.6.1 - Develop CHSTP System Requirements</b>																	
	02JUL07A	30JUN10	30JUN10	62	60	50	48	5	3								
<b>+ 3.6.2 - Prepare Draft Performance Specification</b>																	
	02JUL08A	28JUN11	28JUN11	20	15	50	25	8	0								
<b>+ 3.6.3 - Technical Memo, Standard Plans &amp; Specs</b>																	
	02JUL07A	30JUN10	30JUN10	85	90	50	50	5	5								
<b>+ 3.6.4 - CHSTP - Rail Rolling Stock Procurement</b>																	
	02JUL09A	25JUN13	25JUN13	10	7	50	8	8	3								
<b>3.7 - Regulatory Approvals</b>																	
<b>+ 3.7.1 - Federal Railroad Administration (FRA)</b>																	
	02JUL07A	29JUN12	29JUN12	35	35	50	50	5	5								
<b>+ 3.7.2 - Calif Public Utilities Commission (CPUC)</b>																	
	02JUL07A	30JUN10	30JUN10	13	12	50	35	8	0								
<b>+ 3.7.3 - Risk Management</b>																	
	02JUL07A	30JUN13	30JUN13	75	75	50	50	5	5								
<b>+ 3.7.4 - Technical Memo, Standard Plans &amp; Specs</b>																	
	02JUL07A	30JUN11	30JUN11	79	79	50	50	5	5								
<b>3.8 - CHSTP Standard Drawings</b>																	
<b>+ 3.8.1 - CHSTP Standard Plans</b>																	
	02JUL07A	30JUN11	30JUN11	50	50	50	50	9	9								
<b>3.9 - CHSTP Standard Specifications</b>																	
<b>+ 3.9.1 - List of CHSTP Standard Specifications</b>																	
	02JUL07A	30JUN11	30JUN11	15	15	50	50	8	8								

Start Date 27AUG07 Data Date 31DEC09 Run Date 02FEB10 11:09	December 2009	Project Name: 09DC	California High-Speed Train Project Program Summary Schedule for PE & EIR/EIS				Program Management Team (PMT)			
			Work to Go	Baseline	Progress Bar		Date	Revision	Checked	Approved
							02FEB10	December 2009 Final Release 4	December 2009 Final Release 4	RFNCH



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# Program Management Team

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Work & Deliverables Description	Start Date	Original Plan Finish Date	Forecast Finish Date	Total Project Planned To-Date %	Total Project Actual To-Date %	FY Plan % To-Date	FY Actual % To-Date	Dec. '09 Planned FY %	Dec. '09 Actual FY %	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14
<b>3.10 - Cost Estimating</b>																	
+ 3.10.1 - 15% Design Level Capital Cost Estimate																	
	02JUL07A	30OCT10	30OCT10	75	60	50	50	5	5								
+ 3.10.2 - 30% Design Level Capital Cost Estimate																	
	31DEC09	30JAN12	30JAN12	0	0	0	0	0	0								
+ 3.10.3 - Annual Operations and Maintenance Costs																	
	02JUL09A	30JUN13	30JUN13	10	0	50	0	8	0								
<b>3.11 - Design Manual</b>																	
+ 3.11.1 - CHSTP Design Manual																	
	02JUL07A	30JUN11	30JUN11	60	10	50	38	8	0								
<b>3.12 - Design Submittal Review</b>																	
+ 3.12.1 - Submittal Reviews & Compliance Reviews																	
	02JUL09A	30JUN13	30JUN13	10	10	50	50	9	9								
<b>Task 4 Environmental Review</b>																	
+ 4.1 - Project Task Management																	
	16NOV06A	30JUN13	30JUN13	47	47	50	50	9	9								
+ 4.2 - Program Management Coordination																	
	16NOV06A	30JUN13	30JUN13	47	47	50	50	9	9								
+ 4.3 - Environmental Scoping																	
	02JUL07A	30DEC11	30DEC11	56	56	50	50	9	9								
+ 4.4 - Alternative Analysis (AA) Process																	
	02JUL07A	30DEC11	30DEC11	56	56	50	50	9	9								
+ 4.5 - Environmental Methods																	
	02JUL07A	30JUN10	30JUN10	83	83	50	50	9	9								
+ 4.6 - Public/Agency Involvement and Coordination																	
	02JUL07A	30JUN13	30JUN13	42	42	50	50	9	9								
+ 4.7 - Review of Enviro, Social, Econ & Comm Issu																	
	02JUL07A	30DEC11	30DEC11	56	56	50	50	9	9								
+ 4.8 - Review of Technical Reports and DIES/R																	
	02JUL07A	30JUN13	30JUN13	42	42	50	50	9	9								

Start Date 27AUG07	December 2009	California High-Speed Train Project Program Summary Schedule for PE & EIR/EIS	Program Management Team (PMT)
Date 02FEB10	Project Name: 09DC		Revision December 2009 Final Release 4
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Run Date			Approved RPH
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Program Management Team										Sheet 4 of 7									
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Work & Deliverables Description	Start Date	Original Plan Finish Date	Forecast Finish Date	Total Project Planned To-Date %	Total Project Actual To-Date %	FY Plan % To-Date	FY Actual % To-Date	Dec. '09 Planned FY %	Dec. '09 Actual FY %	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14		
<b>+ 4.9 - Permits and Approval</b>																			
	02JUL07A	30JUN13	30JUN13	42	42	50	50	9	9										
<b>+ 4.10 - Statewide Technical Tasks</b>																			
	02JUL07A	30JUN13	30JUN13	42	42	50	50	9	9										
<b>+ 4.11 - GIS Support Services</b>																			
	02JUL07A	30JUN13	30JUN13	42	42	50	50	9	9										
<b>Task 5 Regional Consultants Oversight</b>																			
<b>H1 - San Francisco to San Jose -- HNTB</b>																			
<b>+ 5.1 - Project Management</b>																			
	16OCT08A	30MAR12	30MAR12	35	35	50	50	9	9										
<b>+ 5.2 - Meetings</b>																			
	16OCT08A	30MAR12	30MAR12	35	35	50	50	9	9										
<b>+ 5.3 - Engineering and Environmental Review</b>																			
	16OCT08A	30MAR12	30MAR12	35	35	50	50	9	9										
<b>G1 - San Jose to Merced -- PARSONS</b>																			
<b>+ 5.1 - Project Management</b>																			
	10DEC08A	30MAR12	30MAR12	32	32	50	50	9	9										
<b>+ 5.2 - Meetings</b>																			
	10DEC08A	30MAR12	30MAR12	32	32	50	50	9	9										
<b>+ 5.3 - Engineering and Environmental Review</b>																			
	10DEC08A	30MAR12	30MAR12	32	32	50	50	9	9										
<b>E1 - Merced to Fresno -- AECOM</b>																			
<b>+ 5.1 - Project Management</b>																			
	12FEB07A	05DEC12	05DEC12	50	50	50	50	9	9										
<b>+ 5.2 - Meetings</b>																			
	12FEB07A	05DEC12	05DEC12	50	50	50	50	9	9										
<b>+ 5.3 - Engineering and Environmental Review</b>																			
	12FEB07A	17AUG12	17AUG12	52	52	50	50	9	9										
<b>D2 - Fresno to Bakersfield -- URS</b>																			
<b>+ 5.1 - Project Management</b>																			
	12FEB07A	30JUN13	30JUN13	45	45	50	50	9	9										

Start Date  
27AUG07  
Data Date  
31DEC09  
Run Date  
02FEB10 11:09

December 2009  
Project Name: 09DC

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California High-Speed Train Project  
Program Summary Schedule  
for  
PE & EIR/EIS

Work to Go  
Baseline  
Progress Bar

Program Management Team (PMT)  
Data: 02FEB10  
Checked: 02FEB10  
Approved: 02FEB10  
Release: December 2009  
Final Release: 4  
RPM: 1

Start Date 27AUG07	December 2009	California High-Speed Train Project Program Summary Schedule for PE & EIR/EIS	Program Management Team (PMT)
Data Date 31DEC09	Project Name: 09DC		Revision December 2009 Final Release 4
Run Date 02FEB10 11:09			Checked bh
			Approved RF/KH

Work to Go

Baseline

Progress Bar



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Work & Deliverables Description	Start Date	Original Plan Finish Date	Forecast Finish Date	Total Project Planned To-Date %	Total Project Actual To-Date %	FY Plan % To-Date	FY Actual % To-Date	Dec. '09 Planned FY %	Dec. '09 Actual FY %	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14
<b>+ 5.2 - Meetings</b>																	
	12FEB07A	29JUN12	29JUN12	54	54	50	50	9	9								
<b>+ 5.3 - Engineering and Environmental Review</b>																	
	12FEB07A	29JUN12	29JUN12	54	54	50	50	9	9								
<b>D1 - Bakersfield to Palmdale -- URS</b>																	
<b>+ 5.1 - Project Management</b>																	
	12FEB07A	30JUN13	30JUN13	45	45	50	50	9	9								
<b>+ 5.2 - Meetings</b>																	
	12FEB07A	30JUN13	30JUN13	45	45	50	50	9	9								
<b>+ 5.3 - Engineering and Environmental Review</b>																	
	12FEB07A	30JUN13	30JUN13	45	45	50	50	9	9								
<b>A1 - Palmdale to Los Angeles -- HMM</b>																	
<b>+ 5.1 - Project Management</b>																	
	12JAN07A	30MAR13	30MAR13	48	48	50	50	9	9								
<b>+ 5.2 - Meetings</b>																	
	12JAN07A	30MAR12	30MAR12	57	57	50	50	9	9								
<b>+ 5.3 - Engineering and Environmental Review</b>																	
	12JAN07A	30MAR12	30MAR12	57	57	50	50	9	9								
<b>B1 - Los Angeles to Anaheim -- STV</b>																	
<b>+ 5.1 - Project Management</b>																	
	29DEC06A	30JUN13	30JUN13	46	46	50	50	9	9								
<b>+ 5.2 - Meetings</b>																	
	29DEC06A	31AUG11	31AUG11	64	64	50	50	9	9								
<b>+ 5.3 - Engineering and Environmental Review</b>																	
	29DEC06A	11NOV11	11NOV11	62	62	50	50	9	9								
<b>C1 - Los Angeles to San Diego -- HNTB</b>																	
<b>+ 5.1 - Project Management</b>																	
	06FEB07A	30JUN13	30JUN13	45	45	50	50	9	9								
<b>+ 5.2 - Meetings</b>																	
	06FEB07A	30JUN13	30JUN13	45	45	50	50	9	9								
<b>+ 5.3 - Engineering and Environmental Review</b>																	
	06FEB07A	30JUN13	30JUN13	45	45	50	50	9	9								

Start Date 27AUG07	December 2009	California High-Speed Train Project Program Summary Schedule for PE & EIR/EIS	Program Management Team (PMT)
Data Date 31DEC09	Project Name: 09DC		Revision December 2009 Final Release 4
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			Approved R7/01

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Work & Deliverables Description	Start Date	Original Plan Finish Date	Forecast Finish Date	Total Project Planned To-Date %	Total Project Actual To-Date %	FY Plan % To-Date	FY Actual % To-Date	Dec. '09 Planned FY %	Dec. '09 Actual FY %	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14
<b>E2 - Merced to Sacramento-- AECOM</b>																	
+ 5.1 - Project Management																	
	12FEB07A	30JUN13	30JUN13	45	45	50	50	9	9								
+ 5.2 - Meetings																	
	12FEB07A	30JUN13	30JUN13	45	45	50	50	9	9								
+ 5.3 - Engineering and Environmental Review																	
	12FEB07A	03AUG13	03AUG13	45	45	50	50	9	9								
<b>F1 - Altamont Pass -- AECOM</b>																	
+ 5.1 - Project Management																	
	21NOV08A	30JUN13	30JUN13	24	24	50	50	9	9								
+ 5.2 - Meetings																	
	21NOV08A	30JUN13	30JUN13	24	24	50	50	9	9								
+ 5.3 - Engineering and Environmental Review																	
	21NOV08A	30JUN13	30JUN13	24	24	50	50	9	9								
<b>Task 6 Right of Way Assessment &amp; Acquisition</b>																	
+ 6.1 - Right of Way Guideline Manual																	
	18SEP09A	29APR11	29APR11	25	7	40	9	9	0								
+ 6.2 - Standard Forms & Documents																	
	18SEP09A	29APR11	29APR11	25	0	40	0	9	0								
+ 6.3 - Acquisition Strategy & Protocols																	
	21SEP09A	01JUL10	01JUL10	25	7	25	7	8	0								
+ 6.4 - Identify Priority Acquisition																	
	28SEP09A	30JUN10	30JUN10	25	0	25	0	8	0								
+ 6.5 - GIS database for Real Estate																	
	28SEP09A	30JUN10	30JUN10	25	0	25	0	9	0								
+ 6.6 - Pre-qualify Vendors																	
	30NOV09A	30JUN10	30JUN10	5	0	5	0	5	0								
+ 6.7 - Relocation Plan																	
	30NOV09A	30JUN13	30JUN13	2	0	5	0	5	0								
+ 6.8 - Select ROW Contractors																	
	30SEP10	19NOV12	19NOV12	0	0	0	0	0	0								

Start Date 27AUG07	December 2009	California High-Speed Train Project Program Summary Schedule for PE & EIR/EIS	Program Management Team (PMT)
Data Date 31DEC09	Project Name: 09DC		Date 02FEB10
Run Date 02FEB10 11:09			Revision December 2009 Final Release 4
			Checked bh
			Approved RPN

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Fiscal Year (FY): July 1, 2009 thru June 30, 2010  
Reporting Period: Dec. 1, 2009 thru Dec. 31, 2009

## Program Management Team

Sheet 7 of 7

Work & Deliverables Description	Start Date	Original Plan Finish Date	Forecast Finish Date	Total Project Planned To-Date %	Total Project Actual To-Date %	FY Plan % To-Date	FY Actual % To-Date	Dec. '09 Planned FY %	Dec. '09 Actual FY %	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14
<b>+ 6.9 - Manage Acquisition-Negotiation Contractors</b>																	
	15JUL10	30JUN13	30JUN13	0	0	0	0	0	0								
<b>+ 6.10 - Manage Condemnation Contractors</b>																	
	15JAN11	30JUN13	30JUN13	0	0	0	0	0	0								
<b>Task 7 Railroad Sys Operation &amp; Revenue Mgmt</b>																	
<b>+ 7.1 - Definition of Rail Sys Op Mgt Requirements</b>																	
	03AUG09A	30JUN13	30JUN13	16	5	50	36	15	8								
<b>+ 7.2 - Operation Planning</b>																	
	03AUG09A	30JUN13	30JUN13	18	8	50	36	15	10								
<b>+ 7.3 - Ridership and Revenue Forecast Updates</b>																	
	01SEP08A	15AUG13	15AUG13	18	16	50	36	11	3								
<b>Task 8 Construction / Procurement Documents</b>																	
<b>8.1 - Construction</b>																	
<b>+ 8.1.1 - Staging / Procurement Report</b>																	
	01OCT09A	30JUN13	30JUN13	16	8	50	6	9	0								
<b>8.2 - Delivery</b>																	
<b>+ 8.2.1 - Staging / Procurement Monthly Assessment</b>																	
	01OCT09A	30JUN13	30JUN13	16	8	50	6	9	0								
<b>8.3 - Procurement Documents</b>																	
<b>+ 8.3.1 - Procurement Documents</b>																	
	30NOV09A	30APR13	30APR13	4	0	50	0	9	0								

Start Date 27AUG07  
Data Date 31DEC09  
Run Date 02FEB10 11:09  
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December 2009  
Project Name: 09DC

California High-Speed Train Project  
Program Summary Schedule  
for  
PE & EIR/EIS

Work to Go  
Baseline  
Progress Bar

Program Management Team (PMT)  
Date 02FEB10  
Revision December 2009 Final Release 4  
Checked 0h  
Approved R/P/01



### **Attachment 3 – PMT Engineering Management Schedule**



		Project Management Team (PMT)							Engineering Management																
		Monthly Schedule Update							Task 3																
		January 2010																							
Activity Name	Activity ID	Planned Start Date	Planned Finish Date	Planned Duration	Actual/Forecast Start Date	Actual/Forecast Finish Date	Physical % Complete	FY2010				FY2011				FY2012				FY2013				FY2014	
								FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2
PMT Jan 10 Update Under Development/not complete		01-Jan-09	14-Jul-14	1429	16-May-07 A	30-Jun-13																			
CA HSRA Program Management Team		01-Jan-09	14-Jul-14	1429	16-May-07 A	30-Jun-13																			
Task 3 - Engineering Criteria & Design Mgmt		01-Jan-09	14-Jul-14	1429	16-May-07 A	30-Jun-13																			
3.1 - Team Management		01-Jul-09	30-Jun-13	1031	01-Jul-07 A	30-Jun-13																			
3.1.1 - Engineering Task Mgmt Plan and Protocols	B3.1.1T EM	01-Jul-09	30-Jun-13	1461	01-Jul-07 A	30-Jun-13	90%																		
TM 0.1 - 15% Design Scope Guideline - R1	B3.1.1TM39			0	01-Jul-07 A	03-Jun-08 A	100%																		
TM 0.3 - Basis of Design Policy R1	B3.1.1TM59			0	01-Jul-07 A	20-Dec-07 A	100%																		
TM 0.4 - Project Development Process - R0	B3.1.1TM69			0	01-Jul-07 A	17-Dec-07 A	100%																		
TM 0.5 - Coordiantion with Caltrans - R0	B3.1.1TM79			0	01-Jul-07 A	12-May-08 A	100%																		
TM 0.3 - Basis of Design Policy	B3.1.1TM129			0	01-Jul-07 A	02-Jan-08 A	100%																		
TM 0.0a - Design Terms and Acronyms	B3.1.1TM29			0	01-Jul-08 A	05-Sep-08 A	100%																		
TM 0.7 - Design Submittal Protocol - R1	B3.1.1TM99			0	06-Apr-09 A	08-Jul-09 A	100%																		
TM 0.1.1 - 30% Design Scope	B3.1.1TM119			0	01-Jul-09 A	26-Feb-10	75%																		
TM 0.0 - CHSTP Tech Memo Style Guide	B3.1.1TM19			0	01-Sep-09 A	09-Dec-09 A	100%																		
TM 0.2 - Tech Memo Review Protocol	B3.1.1TM49			0	01-Sep-09 A	09-Dec-09 A	100%																		
TM 0.6 - RM TM No. 1 -- Initial Risk Register - R0	B3.1.1TM89			0	01-Sep-09 A	09-Dec-09 A	100%																		
TM 0.8 - Programmatic Cost Update Methodology and Back-up - R0	B3.1.1TM109			0	01-Sep-09 A	23-Dec-09 A	100%																		
TM 0.9 - Draft RPA Protocol	B3.1.1TM139			0	05-Oct-09 A	29-Jun-10*	90%																		
TM 0.6 - Risk Management Plan - R1	B3.1.1TM09	01-Feb-10	30-Jun-10	150	01-Dec-09 A	29-Jun-10*	75%																		
CPUC Review Protocol	B3.1.1MS01	31-Dec-09	31-Dec-09	0	01-Feb-10	12-Mar-10*	0%																		
3.2 - Infrastructure		01-Apr-09	30-Jun-13	1095	16-May-07 A	30-Jun-13																			
3.2 - Infrastructure	B3200A0	01-Jul-09	30-Jun-13	1461	01-Jul-09 A	30-Jun-13	11%																		
3.2.1 - Develop CHSTP System Requirements		01-Jul-09	30-Sep-10	318	01-Jul-09 A	30-Jun-10																			
SR Pkg 08 - Traction, nosing forces, vertical and longitudinal forces	B3.21SP1B	01-Jul-09	30-Oct-09	122	01-Jul-09 A	30-Jun-10*	90%																		
SR Pkg 11 - Train stocking, toilets, cleaning, refueling	B3.21SP3C	04-May-10	30-Sep-10	150	01-Jul-09 A	30-Jun-10*	75%																		
SR Pkg 03 - Platform size, accessibility	B3.21SP3D	04-Aug-09	31-Dec-09	150	01-Jul-09 A	30-Jun-10*	90%																		
SR Pkg 13 - Storage track curvature, gradient, length, distance markers	B3.21SP3E	01-Jul-09	30-Oct-09	122	01-Jul-09 A	30-Jun-10*	75%																		
SR Pkg 14 - Switches and crossings, geometric features	B3.21SP3J	01-Jul-09	30-Sep-09	92	01-Jul-09 A	30-Jun-10*	90%																		
SR Pkg 15 - Platform, electric shock, layout	B3.21SP3K	30-Sep-09	26-Feb-10	150	01-Jul-09 A	30-Jun-10*	90%																		
SR Pkg 09 - Wind, vibration, presure, piston effects	B3.21SR1A	01-Jul-09	31-Jul-09	31	01-Jul-09 A	30-Jun-10*	90%																		
3.2.1 - Develop CHSTP System Requirements	B3.2.1 IGN	01-Jul-09	30-Sep-10	457	01-Jul-09 A	30-Jun-10	85%																		
SR Pkg 01 - Geometry, curvture, cant deficiency	B3.21SP3A	01-Jul-09	31-Aug-09	62	01-Jul-09 A	30-Jun-10*	90%																		
SR Pkg 02 - Gauge, distance between centers, gradients	B3.21SP3I	01-Jul-09	30-Sep-09	92	01-Jul-09 A	30-Jun-10*	90%																		
SR Pkg 07 - Rail, inclination, equivalent conicity and in-service values, steel g	B3.61SR5C	01-Jul-09	31-Jul-09	31	01-Jul-09 A	30-Jun-10*	67%																		
SR Pkg 42 - (Previously Package 76) Space by tracks, access in tunnels, intru	B3.61SR5E42			0	01-Jul-09 A	30-Jun-10*	90%																		
SR Pkg 20 - Infrastructure General Provisions, Fire Safety, Safety in Railway	B3.21SP3K20			0	30-Sep-09 A	30-Jun-10*	75%																		
SR Pkg 28 - Track geometrics, stiffness	B3.61SR5E	01-Jul-09	31-Aug-09	62	01-Oct-09 A	30-Jun-10*	90%																		
3.2.2 - Technical Memo, Standard Plans & Specs		01-Apr-09	31-Dec-10	445	16-May-07 A	31-Dec-10																			
3.2.2 - Technical Memo, Standard Plans & Specs	B3.31 I TP	01-Jul-09	31-Dec-10	393	16-May-07 A	31-Dec-10	60%																		
3.2.2.1 - General Design Infrasturcture		01-Jun-09	30-Jun-10	276	16-May-07 A	30-Jun-10																			
TM 1.1.0 - Design Criteria - Initial Release - Alignment and Plarform - R0	B3.2.2IA10			0	16-May-07 A	16-May-07 A	100%																		
TM 1.1.6 - Alignment Std for Shared Use Corridor - LA to Anaheim	B383TM03	01-Jul-09	31-Aug-09	62	02-Jul-07 A	17-Dec-07 A	100%																		
TM 1.1.18 - Design Variance Guidelines	B383TM24			0	02-Jan-08 A	02-Jun-08 A	100%																		
TM 1.1.4 - Mapping and Surveying Design	B383TM43			0	01-Feb-08 A	02-Jun-08 A	100%																		
Project Name: PMT Jan 10 Update Under Development/not complete		Project Start: 12-Feb-07		Monthly Schedule Update			Page 1 of 14			Baseline		Baseline Milestone		Summary											
Layout Name: PMT Monthly Schedule Update - R2 2010-02		Project Finish: 20-Jul-13					Date & Time: 22-Feb-10 14:41			Actual Work		Milestone (Actual/Forecast)													
Report Name: PMT-07 Jan 10 Update Sch Rpt.pdf		Project Data Date: 31-Jan-10								Remaining Work		Physical % Complete													



		Project Management Team (PMT)							Engineering Management																	
		Monthly Schedule Update																								
		January 2010							Task 3																	
Activity Name		Activity ID	Planned Start Date	Planned Finish Date	Planned Duration	Actual/Forecast Start Date	Actual/Forecast Finish Date	Physical % Complete	FY2010				FY2011				FY2012				FY2013				FY2014	
									FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2
	TM 1.1.5 - CADD Standards	B383TM23			0	01-Jul-08 A	10-Oct-08 A	100%																		
	TM 1.1.21 - Typical Cross Sections - R0	B383TM04	30-Jun-09	30-Jun-09	0	01-Dec-08 A	07-Apr-09 A	100%																		
	TM 1.1.1 - Design Standards & Codes of Practice	B3.2.2IA0	30-Jun-09	30-Jun-09	0	02-Mar-09 A	10-Jun-09 A	100%																		
	TM 1.1.2 - Design Life	B3.2.2IA1	30-Jun-09	30-Jun-09	0	02-Mar-09 A	08-Jun-09 A	100%																		
	TM 1.1.19 - Cost Estimating 15% Methodology - R0	B3.2.2B81	01-Feb-10	30-Jun-10	150	01-Jun-09 A	20-Jul-09 A	100%																		
	TM 1.1.10 - Structure Gauge	B383TM02	01-Jun-09	01-Jun-09	0	01-Jun-09 A	02-May-10*	90%																		
	TM 1.1.8 - Proposed methodology for demarcation of territorial subdivision at	B3.2.2B5	01-Feb-10	30-Jun-10	150	01-Jul-09 A	16-Sep-09 A	100%																		
	TM 1.1.5 - CADD Standards - R2	B383TM33			0	06-Jul-09 A	05-Oct-09 A	100%																		
	TM 1.1.7 - Shared Use Corridor HST Criteria - Caltrain Corridor	B3.2.2A7	01-Jul-09	02-Nov-09	125	30-Sep-09 A	04-Jun-10*	0%																		
	TM 1.1.22 - Cost Estimating 30% Methodology - R0	B3.2.2B91	01-Feb-10	30-Jun-10	150	01-Feb-10	30-Jun-10*	0%																		
	3.2.2.2 - Track Alignment			01-Jun-09	31-Mar-10	212	02-Feb-09 A	29-Jun-10																		
	TM 2.1.8 - Yard Track	B3.2.2C14	30-Jun-09	30-Jun-09	0	02-Feb-09 A	30-Jul-09 A	100%																		
	TM 2.1.7 - Intrusion Protection	B383TM08	01-Jun-09	01-Jun-09	0	02-Feb-09 A	01-Jun-09 A	100%																		
	TM 2.1.3 - Turnouts and Station Tracks	B383TM05	01-Jul-09	30-Sep-09	92	01-Jul-09 A	31-Aug-09 A	100%																		
	TM 2.1.5 - Track Design	B3.2.2C1	02-Nov-09	31-Mar-10	150	04-Jan-10 A	29-Jun-10*	10%																		
	3.2.2.3 - Station Design			30-Jun-09	30-Jun-09	0	01-Jan-08 A	10-Apr-09 A																		
	TM 2.2.4 - Station Platform Geometric Design	B383TM09	30-Jun-09	30-Jun-09	0	01-Jan-08 A	16-May-08 A	100%																		
	TM 2.2.2 - Station Functional Requirements	B383TM29			0	03-Nov-08 A	19-Feb-09 A	100%																		
	TM 2.2.3 - HST Passenger Station Site Design Guideline	B383TM19			0	01-Dec-08 A	10-Apr-09 A	100%																		
	3.2.2.4 - Bridge Design			30-Sep-09	30-Sep-09	0	03-Nov-08 A	02-Jun-09 A																		
	TM 2.3.2 - Structure Design Loads	B3.2.2D21			0	03-Nov-08 A	02-Jun-09 A	100%																		
	TM 2.3.3 - Design Guidelines for HST Aerial Structures	B3.2.2D1	30-Sep-09	30-Sep-09	0	05-Jan-09 A	02-Jun-09 A	100%																		
	3.2.2.5 - Tunnel Design			01-Apr-09	30-Jun-10	318	02-Feb-09 A	30-Jun-10																		
	TM 2.4.2 - Basic Tunnel Configuration - Twin Bore	B3.2.2E111	30-Jun-09	30-Jun-09	0	02-Feb-09 A	27-Jul-09 A	100%																		
	TM 2.4.5 - Tunnel Structural Design	B3.2.2E2	01-Apr-09	01-Apr-09	0	01-Apr-09 A	01-Feb-10	0%																		
	TM 2.4.6 - Portals, Entrances, Ramps	B3.2.2E3	01-Apr-09	01-Apr-09	0	01-Apr-09 A	01-Feb-10	10%																		
	TM 2.4.1 - Basic Tunnel Configuration - Single Bore	B3.2.2E121			0	27-Jul-09 A	15-Feb-10*	0%																		
	TM 2.4.8 - Service and Maintenance Requirements	B3.2.2E4	01-Feb-10	30-Jun-10	150	01-Feb-10	30-Jun-10*	0%																		
	3.2.2.6 - Buiding Structural Design			01-Feb-10	30-Jun-10	107	01-Feb-10	30-Jun-10																		
	TM 2.5.1 - Structrual Design of HSR Facil & Bldg	B3.2.2F1	01-Feb-10	30-Jun-10	150	01-Feb-10	30-Jun-10*	0%																		
	3.2.2.7 - Drainage and Grading			01-Jul-09	31-Mar-10	190	04-Aug-08 A	29-Jun-10																		
	TM 2.7.4 - Utility Requirements for 15% Design Submittal	B3.2.2G14			0	04-Aug-08 A	20-Nov-08 A	100%																		
	TM 2.6.7 - Earthwork	B3.2.2G4	01-Jul-09	01-Jul-09	0	02-Mar-09 A	23-Jul-09 A	100%																		
	TM 2.6.4 - FloodPlain	B3.2.2G2	01-Jul-09	30-Sep-09	92	31-Jan-10	02-May-10*	0%																		
	TM 2.6.5 - Hydrology and Hydraulic Design	B3.2.2G3	02-Nov-09	31-Mar-10	150	31-Jan-10	29-Jun-10*	0%																		
	3.2.2.8 - Safety and Security			01-Jul-09	30-Sep-09	64	30-Sep-09 A	02-May-10																		
	TM 2.8.2 - Control of Access and intrusion Protection for HSR ROW & Facilit	B3.2.2I11			0	30-Sep-09 A	31-Jan-10*	10%																		
	TM 2.8.1 - Safety and Security	B3.2.2I1	01-Jul-09	30-Sep-09	92	31-Jan-10	02-May-10*	0%																		
	3.2.2.9 - Geotechnical Studies			01-Jul-09	31-Dec-10	381	05-Jan-09 A	31-Dec-10																		
	TM 2.9.1 - Geotechnical Investigation Guideline	B3.2.2J13			0	05-Jan-09 A	22-May-09 A	100%																		
TM 2.9.2 - Geotechnical Reports Preparation Guidelines	B3.2.2J23			0	02-Feb-09 A	22-May-09 A	100%																			
TM 2.9.3 - Geologic and Seismic Hazard Evaluation Guidelines	B3.2.2J33			0	02-Mar-09 A	15-Jun-09 A	100%																			
TM 2.9.6 - Ground Motions for MCE, DBE & LDBE for 30%	B3.2.2J4	02-Nov-09	31-Mar-10	150	02-Nov-09 A	31-Mar-10*	75%																			
TM 2.9.10 - Geotech Anal & design Criteria for FD	B3.2.2J91	04-Aug-10	31-Dec-10	150	04-Jan-10 A	29-Jun-10*	10%																			
TM 2.9.4 - Prelim Active/Capable Fault Loc & Dgn	B3.2.2J3	01-Jul-09	30-Sep-09	92	31-Jan-10	02-May-10*	0%																			
Project Name: PMT Jan 10 Update Under Development/not complete		Project Start: 12-Feb-07			Monthly Schedule Update			Page 2 of 14			Baseline		Baseline Milestone		Summary											
Layout Name: PMT Monthly Schedule Update - R2 2010-02		Project Finish: 20-Jul-13						Date & Time: 22-Feb-10 14:41			Actual Work		Milestone (Actual/Forecast)													
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		Project Management Team (PMT)							Engineering Management																	
		Monthly Schedule Update							Task 3																	
		January 2010																								
Activity Name		Activity ID	Planned Start Date	Planned Finish Date	Planned Duration	Actual/Forecast Start Date	Actual/Forecast Finish Date	Physical % Complete	FY2010				FY2011				FY2012				FY2013				FY2014	
									FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2
	TM 2.9.5 - Prelim Design Earthquake GL 30% dgn	B3.2.2J32	02-Nov-09	31-Mar-10	150	31-Jan-10	29-Jun-10*	0%																		
	TM 2.9.7 - Acceleration Response Spectra for F D	B3.2.2J7	04-Aug-10	31-Dec-10	150	04-Aug-10	31-Dec-10*	0%																		
	3.2.2.10 - Seismic Studies			30-Jun-09	31-Dec-10	382	02-Feb-09 A	29-Jun-10																		
	TM 2.10.4 - Seismic Design Criteria 15% and 30%	B3.2.2K2	30-Jun-09	30-Jun-09	0	02-Feb-09 A	11-Jun-09 A	100%																		
	TM 2.10.2 - Technical Advisory Panel work plan and Summary	B3.2.2K1	01-Feb-10	30-Jun-10	150	01-Aug-09 A	29-Jun-10*	75%																		
	TM 2.10.5 - Seismic Design Bench Mark	B3.2.2K3	01-Jul-09	30-Sep-09	92	02-Nov-09 A	02-May-10*	75%																		
	TM 2.10.10 - Rail-Struc Interaction Anal G. 30% and Final	B.3.2.2K91	04-Aug-10	31-Dec-10	150	04-Jan-10 A	29-Jun-10*	75%																		
	TM 2.10.6 - Fault Crossing DC 15% and 30% Design	B3.2.2K4	02-Nov-09	31-Mar-10	150	04-Jan-10 A	29-Jun-10*	10%																		
	3.2.3 - Engineering Support			01-Jul-09	30-Jun-13	1031	01-Jul-09 A	30-Jun-13																		
	3.2.3 - Engineering Support	B3.23 I ST	01-Jul-09	30-Jun-13	1461	01-Jul-09 A	30-Jun-13	15%																		
	3.3 - Systems			01-Jun-09	30-Jun-13	1053	05-Jan-09 A	30-Jun-13																		
	3.3.- Systems	B3300A0	01-Jul-09	30-Jun-13	1461	01-Jul-09 A	30-Jun-13	2%																		
	3.3.1 - Develop CHSTP System Requirements			01-Jul-09	30-Jun-10	254	01-Jul-09 A	31-Oct-10																		
	SR Pkg 34 - Maintenance of power supply, power at standstill, power disturba	B3.21SP3N	02-Dec-09	30-Apr-10	150	01-Jul-09 A	31-Oct-10*	45%																		
	3.3.1 - Develop CHSTP System Requirements	B3.33.S TC	01-Jul-09	30-Jun-10	261	01-Jul-09 A	30-Jun-10	50%																		
	SR Pkg 27 - Signaling Driver Machine Interface	B3.21SP3N27			0	01-Jul-09 A	31-Oct-10*	90%																		
	SR Pkg 29 - ETCS functionality, trackside and onboard equipment, visibility &	B3.21SP3N29			0	01-Jul-09 A	31-Oct-10*	60%																		
	SR Pkg 36 - ERTMS, ETCS, trackside equipment	B3.21SP3N36			0	01-Jul-09 A	31-Oct-10*	90%																		
	SR Pkg 33 - Phase seperation, system seperation, regenerative braking, volta	B3.21SP3N33			0	01-Jul-09 A	31-Oct-10*	45%																		
	SR Pkg 39 - Contact wire, contact force, wire behavior, geometry	B3.61SR5G	01-Jul-09	30-Sep-09	92	01-Jul-09 A	31-Oct-10*	45%																		
	SR Pkg 40 - EM compatibility	B3.61SR5G40			0	01-Jul-09 A	31-Oct-10*	50%																		
	SR Pkg 45 - OCS and Contact Wire	B3.61SR5G50			0	01-Jul-09 A	31-Oct-10*	90%																		
	SR Pkg 35 - Harmonics, emission, EMC	B3.21SP3N35			0	31-Jan-10	31-Oct-10*	0%																		
	3.3.2 - Technical Memo, Standard Plans & Specs			01-Jun-09	30-Jun-10	276	05-Jan-09 A	30-Jun-10																		
	3.3.2 - Technical Memo, Standard Plans & Specs	B3.32 S TP	01-Jul-09	30-Jun-10	261	01-Jul-09 A	30-Jun-10	25%																		
	3.3.2.1 - Traction Power -- General			01-Jun-09	01-Jun-09	0	05-Jan-09 A	04-Jun-09 A																		
	TM 3.1.1.1 - Traction Power 2x25kV Autotransformer Electrification System	B383TM34			0	05-Jan-09 A	26-May-09 A	100%																		
	TM 3.1.1.3 - Traction Power Facility Sites R1	B383TM14	01-Jun-09	01-Jun-09	0	02-Feb-09 A	03-Jun-09 A	100%																		
	TM 3.1.3.1 - Initial Segment	B383TM74			0	02-Mar-09 A	04-Jun-09 A	100%																		
	3.3.2.2 - Traction Power Facilities			04-Aug-09	31-Dec-09	104	04-May-09 A	14-Jul-09 A																		
	TM 3.1.5.3 - Utility Power Supply	B3.3.2C1	04-Aug-09	31-Dec-09	150	04-May-09 A	14-Jul-09 A	100%																		
	3.3.2.3 - Overhead Contact System			30-Jun-09	30-Sep-09	64	02-Feb-09 A	26-Feb-10																		
	TM 3.2.1 - OCS Requirements	B3.3.2D1	02-Jul-09	02-Jul-09	0	02-Feb-09 A	14-Jul-09 A	100%																		
	TM 3.2.3 - Pantograph Clearances	B383TM18	30-Jun-09	30-Jun-09	0	02-Feb-09 A	17-Jun-09 A	100%																		
	TM 3.2.2 - OCS Structural Requirements	B3.3.2D2	02-Jul-09	02-Jul-09	0	01-Jul-09 A	01-Feb-10*	10%																		
	TM 3.2.6 - 25kV Grounding and Bonding	B3.3.2D12	01-Jul-09	30-Sep-09	92	01-Jul-09 A	26-Feb-10*	10%																		
	3.3.2.4 - Train Control			01-Feb-10	30-Jun-10	107	02-Oct-09 A	29-Jun-10																		
	TM 3.3.1 - Train Control System Configuration	B3.3.2E1	01-Feb-10	30-Jun-10	150	02-Oct-09 A	29-Jun-10*	0%																		
	TM 3.3.2 - Train Control Site Requirements	B3.3.2E11			0	02-Oct-09 A	29-Jun-10*	0%																		
	3.3.2.5 - Communication			02-Jul-09	31-Mar-10	188	03-Jul-09 A	29-Jun-10																		
TM 3.4.10 - Electromagnetic Compatibility DC	B3.3.2F0	02-Jul-09	02-Jul-09	0	03-Jul-09 A	15-Apr-10*	10%																			
TM 3.4.11 - Measurement Procedure for EIR Assessment of CHSTP Alignme	B3.3.2F10			0	03-Jul-09 A	15-Apr-10*	10%																			
TM 3.4.1 - Communication System Configuration	B3.3.2F1	02-Nov-09	31-Mar-10	150	02-Oct-09 A	29-Jun-10*	0%																			
TM 3.4.2 - Communication Site Requirements	B3.3.2F11			0	02-Oct-09 A	29-Jun-10*	0%																			
3.3.3 - Engineering Support			01-Jul-09	30-Jun-13	1031	01-Jul-09 A	30-Jun-13																			

Project Name:	PMT Jan 10 Update Under Development/not complete	Project Start:	12-Feb-07	Monthly Schedule Update	Page 3 of 14	<div></div> Baseline	Baseline Milestone	<div></div> Summary	
Layout Name:	PMT Monthly Schedule Update - R2 2010-02	Project Finish:	20-Jul-13		Date & Time:	22-Feb-10 14:41	<div></div> Actual Work	Milestone (Actual/Forecast)	
Report Name:	PMT-07 Jan 10 Update Sch Rpt.pdf	Project Data Date:	31-Jan-10				<div></div> Remaining Work	Physical % Complete	









		Project Management Team (PMT)							Engineering Management																	
		Monthly Schedule Update							Task 3																	
		January 2010																								
Activity Name		Activity ID	Planned Start Date	Planned Finish Date	Planned Duration	Actual/Forecast Start Date	Actual/Forecast Finish Date	Physical % Complete	FY2010				FY2011				FY2012				FY2013				FY2014	
									FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2
	Symbols - General	B382G2	30-Jun-09	30-Jun-09	0	01-Jul-08 A	31-Jan-10*	0%																		
	3.8.2.2 - Track		30-Jun-09	28-Feb-11	422	01-Jul-08 A	28-Feb-11																			
	Clearance Envelopes	B382TK01	30-Jun-09	30-Jun-09	0	01-Jul-08 A	01-Feb-10*	0%																		
	Strcuture Gauge	B382TK02	30-Jun-09	30-Jun-09	0	01-Jul-08 A	01-Feb-10*	0%																		
	Typical Roadbed Sections	B382TK03	04-Aug-09	31-Dec-09	150	31-Jan-10	29-Jun-10*	0%																		
	High-Speed Turnout and Crossover Data	B382TK13	02-Nov-09	31-Mar-10	150	31-Jan-10	29-Jun-10*	0%																		
	Bumping Post 31-Mar-10 X	B382TK21	02-Nov-09	31-Mar-10	150	31-Jan-10	29-Jun-10*	0%																		
	Data for Standard Rail Sections	B382TK04	04-Apr-10	31-Aug-10	150	04-Apr-10	31-Aug-10*	0%																		
	Data for Standard Wheel Flanges, Treads & Gages	B382TK05	04-Apr-10	31-Aug-10	150	04-Apr-10	31-Aug-10*	0%																		
	Concrete Ties Details	B382TK06	04-May-10	30-Sep-10	150	04-May-10	30-Sep-10*	0%																		
	Direct Fixation Details	B382TK07	04-May-10	30-Sep-10	150	04-May-10	30-Sep-10*	0%																		
	Transition Zones between Different Track Modules	B382TK08	04-May-10	30-Sep-10	150	04-May-10	30-Sep-10*	0%																		
	Fastening Assemblies	B382TK09	04-May-10	30-Sep-10	150	04-May-10	30-Sep-10*	0%																		
	Standard Turnouts No. 8 through No. 20 (Solid,	B382TK10	04-Jul-10	30-Nov-10	150	04-Jul-10	30-Nov-10*	0%																		
	Standard Turnout and Crossover Data - Reference	B382TK11	04-Jul-10	30-Nov-10	150	04-Jul-10	30-Nov-10*	0%																		
	High-Speed Turnouts (Movable Point Frogs)	B382TK12	04-Jul-10	30-Nov-10	150	04-Jul-10	30-Nov-10*	0%																		
	Switch Machine Placement & Switch Rod Typical La	B382TK14	04-Aug-10	31-Dec-10	150	04-Aug-10	31-Dec-10*	0%																		
	Movable Point Frogs, Switch Machine Placement &	B382TK15	04-Aug-10	31-Dec-10	150	04-Aug-10	31-Dec-10*	0%																		
	Gauge Plate Details for Frog Areas	B382TK16	04-Aug-10	31-Dec-10	150	04-Aug-10	31-Dec-10*	0%																		
	Guard Rail Placement and Details	B382TK17	02-Oct-10	28-Feb-11	150	02-Oct-10	28-Feb-11*	0%																		
	Switch Rods, Plates and Stands	B382TK18	02-Oct-10	28-Feb-11	150	02-Oct-10	28-Feb-11*	0%																		
	Standard Bolted Joint - Reference AREMA	B382TK19	02-Oct-10	28-Feb-11	150	02-Oct-10	28-Feb-11*	0%																		
	Rail Expansion Joint and Insulated Joint	B382TK20	02-Oct-10	28-Feb-11	150	02-Oct-10	28-Feb-11*	0%																		
	3.8.2.3 - Drainage		02-Nov-09	31-Dec-10	295	31-Jan-10	31-Dec-10																			
	Track Underdrain and Side Ditch Details	B382DR01	02-Nov-09	31-Mar-10	150	31-Jan-10	29-Jun-10*	0%																		
	Precast Reinforced Concrete Box Culverts	B382DR02	02-Nov-09	31-Mar-10	150	31-Jan-10	29-Jun-10*	0%																		
	Box Culvert Wingwalls	B382DR03	02-Jan-10	31-May-10	150	31-Jan-10	29-Jun-10*	0%																		
	Pipe Culvert Headwalls, Endwalls and Wingwalls	B382DR05	02-Jan-10	31-May-10	150	31-Jan-10	29-Jun-10*	0%																		
	Precast Reinforced Concrete Pipe Design Data	B382DR04	04-Aug-10	31-Dec-10	150	04-Aug-10	31-Dec-10*	0%																		
	Pipe Coupling and Joint Details	B382DR06	04-Aug-10	31-Dec-10	150	04-Aug-10	31-Dec-10*	0%																		
	3.8.2.4 - Retaining Walls		02-Oct-10	30-Apr-11	147	02-Oct-10	30-Apr-11																			
	Cast-in-place Retaining Walls Details No.1	B382RW01	02-Oct-10	28-Feb-11	150	02-Oct-10	28-Feb-11*	0%																		
	Cast-in-place Retaining Walls Details No.2	B382RW02	02-Oct-10	28-Feb-11	150	02-Oct-10	28-Feb-11*	0%																		
	Cast-in-place Retaining Walls Details No.3	B382RW03	02-Oct-10	28-Feb-11	150	02-Oct-10	28-Feb-11*	0%																		
	Cast-in-Place Walls Drainage and Utility Opening	B382RW04	02-Dec-10	30-Apr-11	150	02-Dec-10	30-Apr-11*	0%																		
	Approved Proprietary Retaining Wall Systems	B382RW05	02-Dec-10	30-Apr-11	150	02-Dec-10	30-Apr-11*	0%																		
	3.8.2.5 - Sound Walls		04-May-10	30-Sep-10	105	04-May-10	30-Sep-10																			
	Masonry Block on Footing Details	B382SW01	04-May-10	30-Sep-10	150	04-May-10	30-Sep-10*	0%																		
	Masonry Block on Pile Cap Details	B382SW02	04-May-10	30-Sep-10	150	04-May-10	30-Sep-10*	0%																		
	Access Gate Details	B382SW03	04-May-10	30-Sep-10	150	04-May-10	30-Sep-10*	0%																		
3.8.2.6 - Bridges		02-Nov-09	28-Feb-11	336	31-Jan-10	28-Feb-11																				
Bridge General Details No. 1	B382BR01	02-Nov-09	31-Mar-10	150	31-Jan-10	29-Jun-10*	0%																			
Bridge General Details No. 2	B382BR02	02-Nov-09	31-Mar-10	150	31-Jan-10	29-Jun-10*	0%																			
Bridge General Details No. 3	B382BR03	02-Nov-09	31-Mar-10	150	31-Jan-10	29-Jun-10*	0%																			
Pile Details	B382BR04	04-Jul-10	30-Nov-10	150	04-Jul-10	30-Nov-10*	0%																			
Project Name: PMT Jan 10 Update Under Development/not complete		Project Start: 12-Feb-07			Monthly Schedule Update			Page 6 of 14		Baseline				Baseline Milestone				Summary								
Layout Name: PMT Monthly Schedule Update - R2 2010-02		Project Finish: 20-Jul-13						Date & Time: 22-Feb-10 14:41		Actual Work				Milestone (Actual/Forecast)												
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									FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	
	Box Girder Details	B382BR06	04-Jul-10	30-Nov-10	150	04-Jul-10	30-Nov-10*	0%																			
	Joint Seals	B382BR05	04-Aug-10	31-Dec-10	150	04-Aug-10	31-Dec-10*	0%																			
	Utility Openings and Access Stairs	B382BR07	02-Oct-10	28-Feb-11	150	02-Oct-10	28-Feb-11*	0%																			
	Concrete Barriers	B382BR08	02-Oct-10	28-Feb-11	150	02-Oct-10	28-Feb-11*	0%																			
	Electrical and Communication Conduits	B382BR09	02-Oct-10	28-Feb-11	150	02-Oct-10	28-Feb-11*	0%																			
	3.8.2.7 - Stations			30-Jun-09	31-Mar-11	446	31-Jan-10	31-Mar-11																			
	End Taper Location and Offsets	B382ST01	04-Sep-09	31-Jan-10	150	31-Jan-10	29-Jun-10*	0%																			
	Under Platform Edge Safety Zone	B382ST02	04-Jul-09	30-Nov-09	150	31-Jan-10	29-Jun-10*	0%																			
	Platform Edge Fence	B382ST03	30-Jun-09	26-Nov-09	150	31-Jan-10	29-Jun-10*	0%																			
	Station Barrier Wall	B382ST04	04-Apr-10	31-Aug-10	150	04-Apr-10	31-Aug-10*	0%																			
	Markings and Warning Tactiles	B382ST13	04-Apr-10	31-Aug-10	150	04-Apr-10	31-Aug-10*	0%																			
	General Signs at Station	B382ST05	04-May-10	30-Sep-10	150	04-May-10	30-Sep-10*	0%																			
	Station Identifiers Signs	B382ST06	04-May-10	30-Sep-10	150	04-May-10	30-Sep-10*	0%																			
	Information Display Case	B382ST07	04-Jun-10	31-Oct-10	150	04-Jun-10	31-Oct-10*	0%																			
	Station Directional Signs	B382ST08	04-Jun-10	31-Oct-10	150	04-Jun-10	31-Oct-10*	0%																			
	Regulatory and Warning Signs	B382ST09	04-Jun-10	31-Oct-10	150	04-Jun-10	31-Oct-10*	0%																			
	Monument Station Site Sign at Station Entry	B382ST10	04-Jul-10	30-Nov-10	150	04-Jul-10	30-Nov-10*	0%																			
	Access and Parking Directional Signs	B382ST11	04-Aug-10	31-Dec-10	150	04-Aug-10	31-Dec-10*	0%																			
	Parking Signs	B382ST12	04-Aug-10	31-Dec-10	150	04-Aug-10	31-Dec-10*	0%																			
	VMS Board Pole Mounting Details	B382ST14	02-Nov-10	31-Mar-11	150	02-Nov-10	31-Mar-11*	0%																			
	Post Foundation and Sign Mounting Details	B382ST15	02-Nov-10	31-Mar-11	150	02-Nov-10	31-Mar-11*	0%																			
	3.8.2.8 - Traction Power			30-Jun-09	31-Dec-10	382	31-Jan-10	31-Dec-10																			
	Symbols	B382TP01	30-Jun-09	26-Nov-09	150	31-Jan-10	29-Jun-10*	0%																			
	Abbreviations	B382TP02	30-Jun-09	26-Nov-09	150	31-Jan-10	29-Jun-10*	0%																			
	General Notes	B382TP03	30-Jun-09	26-Nov-09	150	31-Jan-10	29-Jun-10*	0%																			
	Typical Fencing Details	B382TP06	04-Apr-10	31-Aug-10	150	04-Apr-10	31-Aug-10*	0%																			
	Typical Duct Bank and Manhole Details	B382TP04	04-Jun-10	31-Oct-10	150	04-Jun-10	31-Oct-10*	0%																			
	Typical Grounding Details	B382TP05	04-Aug-10	31-Dec-10	150	04-Aug-10	31-Dec-10*	0%																			
	3.8.2.9 - Overhead Contact System			30-Jun-09	30-Jun-10	254	01-Jul-08 A	29-Jun-10																			
	Symbols	B382OC01	30-Jun-09	30-Jun-09	0	01-Jul-08 A	31-Jan-10*	0%																			
	Abbreviations	B382OC02	30-Jun-09	30-Jun-09	0	01-Jul-08 A	31-Jan-10*	0%																			
	General Notes	B382OC03	30-Jun-09	30-Jun-09	0	01-Jul-08 A	31-Jan-10*	0%																			
	Typ OCS Support Structure - At Grade, 125 mph	B3.3.2DP10	01-Jul-09	30-Sep-09	92	01-Jul-09 A	31-Mar-10*	75%																			
	Typ OCS Support Structure - Elevated, 125 mph	B3.3.2DP11	01-Jul-09	30-Sep-09	92	01-Jul-09 A	31-Mar-10*	75%																			
	Typ OCS Support Structure - Tunnel, 125 mph	B3.3.2DP12	01-Jul-09	30-Sep-09	92	01-Jul-09 A	31-Mar-10*	75%																			
	Typ OCS Sup Str - At Grade, 220 mph	B3.3.2DP17	01-Jul-09	31-Oct-09	123	01-Jul-09 A	31-Mar-10*	75%																			
	Typ OCS Sup Str - Elevated, 220 mph	B3.3.2DP18	01-Jul-09	31-Oct-09	123	01-Jul-09 A	31-Mar-10*	75%																			
	Typ OCS Sup Str - Tunnel Alt. 1, 2 Trk, 220 mph	B3.3.2DP19	01-Jul-09	31-Oct-09	123	01-Jul-09 A	31-Mar-10*	75%																			
	Typ OCS Sup Str - Tunnel Alt. 2, 2 Trk, 220 mph	B3.3.2DP20	01-Jul-09	31-Oct-09	123	01-Jul-09 A	31-Mar-10*	75%																			
	Typ OCS Supp Stru -Tunnel Alt. 1, 2 Trk, 220 mph	B3820C20	01-Jul-09	31-Oct-09	123	01-Jul-09 A	31-Mar-10*	75%																			
Overhead Contact System, Clearance Envelope and	B382OC04	30-Jun-09	30-Jun-09	0	01-Jul-09 A	31-Mar-10*	75%																				
Typical Grounding Details	B382OC05	30-Jun-09	30-Jun-09	0	01-Jul-09 A	31-Mar-10*	75%																				
Typical OCS Configuration - 125 mph	B382OC06	30-Jun-09	30-Jun-09	0	01-Jul-09 A	31-Mar-10*	75%																				
Typical OCS Configuration - 220 mph	B382OC07	30-Jun-09	30-Jun-09	0	01-Jul-09 A	31-Mar-10*	75%																				
Project Name: PMT Jan 10 Update Under Development/not complete		Project Start: 12-Feb-07			Monthly Schedule Update			Page 7 of 14		Baseline		Baseline Milestone		Summary													
Layout Name: PMT Monthly Schedule Update - R2 2010-02		Project Finish: 20-Jul-13						Date & Time: 22-Feb-10 14:41		Actual Work		Milestone (Actual/Forecast)															
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									FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2
<div></div>	TM 3.2.1 - Typical OCS Arrangment Under Portal Beam Tangent Track w/Tur	B3.3.2DP34			0	07-Jul-08 A	07-Jul-09 A	100%																		
	TM 3.2.1 - Typical OCS Equipment for Two Tangent Track in Open Route Sp	B3.3.2DP44			0	07-Jul-08 A	07-Jul-09 A	100%																		
	TM 3.2.3 - OCS Pantograph Clearance Envelope Open Route - Shared Use	B3.3.2DP54			0	07-Jul-08 A	07-Jul-09 A	100%																		
	TM 3.2.3 - OCS Pantograph Clearance Envelope Tunnel - Dedicated	B3.3.2DP64			0	07-Jul-08 A	07-Jul-09 A	100%																		
	TM 3.2.3 - OCS Pantograph Clearance Envelope Tunnel - Shared Use	B3.3.2DP74			0	07-Jul-08 A	07-Jul-09 A	100%																		
	TM 3.2.3 - OCS Pantograph Clearance Envelope Open Route - Dedicated	B3.3.2DP04	02-Jul-09	02-Jul-09	0	08-Jul-08 A	07-Jul-09 A	100%																		
	TM 5.1 - Los Angeles Storage Yard and Maintenance Facility Concept Plan	B3.2.2C340			0	22-Jul-08 A	22-Jul-09 A	100%																		
	TM 5.1 - San Francisco Storage Yard and Maintenance Facility Concept Plan	B3.2.2C350			0	22-Jul-08 A	22-Jul-09 A	100%																		
	TM 5.1 - Anaheim Storage Yard and Maintenance Facility Concept Plan	B3.2.2C360			0	22-Jul-08 A	22-Jul-09 A	100%																		
	TM 5.1 - Sacramento Storage Yard and Maintenance Facility Concept Plan	B3.2.2C370			0	22-Jul-08 A	22-Jul-09 A	100%																		
	TM 5.1 - San Diego Storage Yard and Maintenance Facility Concept Plan	B3.2.2C380			0	22-Jul-08 A	22-Jul-09 A	100%																		
	TM 5.2 - MOWF Concept Plan Alternative A (Narrow Configuration)	B3.2.2C390			0	22-Jul-08 A	22-Jul-09 A	100%																		
	TM 5.2 - MOWF Concept Plan Alternative A (Wide Configuration)	B3.2.2C400			0	22-Jul-08 A	22-Jul-09 A	100%																		
	TM 5.1 - Los Angeles/Anaheim Storage Yard and Maintenance Facility Conce	B3.2.2C410			0	22-Jul-08 A	22-Jul-09 A	100%																		
	TM 5.1 - Heavy Maintenance Facility (HMF) - Concept Plan	B3.2.2C330			0	27-Jul-08 A	27-Jul-09 A	100%																		
	TM 2.4.8 - Typical Walkways	B3,2,2D1	01-Jul-09	30-Sep-09	92	01-Jul-09 A	02-May-10*	0%																		
	TM 2.4.6 - Typical Tunnel Portal	B3.2.2D10	04-Jul-09	30-Nov-09	150	01-Jul-09 A	29-Jun-10*	0%																		
	TM 2.4.6 - Maintenance Access	B3.2.2D11	04-Jul-09	30-Nov-09	150	01-Jul-09 A	29-Jun-10*	0%																		
	TM 2.4.8 - Typical Duct Bank Configuration	B3.2.2D2	01-Jul-09	30-Sep-09	92	01-Jul-09 A	02-May-10*	0%																		
	TM 2.4.8 - Typical Cross Passages and Sump	B3.2.2D3	01-Jul-09	30-Sep-09	92	01-Jul-09 A	02-May-10*	0%																		
	TM 2.4.8 - Typical Ventilation	B3.2.2D4	01-Jul-09	30-Sep-09	92	01-Jul-09 A	02-May-10*	0%																		
	TM 2.4.8 - Typical Emergency Egress	B3.2.2D5	01-Jul-09	30-Sep-09	92	01-Jul-09 A	02-May-10*	0%																		
	TM 2.4.8 - Typical Lighting Requirements	B3.2.2D6	01-Jul-09	30-Sep-09	92	01-Jul-09 A	02-May-10*	0%																		
	TM 2.1.3 - 110 mph Turnout	B3.2.2SPA0	01-Jul-09	30-Sep-09	92	01-Jul-09 A	15-Feb-10*	10%																		
	TM 2.1.3 - 150mph Turnout	B3.2.2SPA1	01-Jul-09	30-Sep-09	92	01-Jul-09 A	15-Feb-10*	10%																		
	TM 2.1.3 - 60 mph Turnout	B3.2.2SPA2	01-Jul-09	30-Sep-09	92	01-Jul-09 A	15-Feb-10*	10%																		
	TM 3.1.3.2 - TP Schematic - Palmdale to Los Angeles	B3.22A1P10	01-Jul-09	31-Aug-09	62	01-Jul-09 A	14-Apr-10*	0%																		
	TM 3.1.3.2 - TP Schematic - Bakersfield to Palmdale	B3.22A1P11	01-Jul-09	31-Aug-09	62	01-Jul-09 A	14-Apr-10*	0%																		
	TM 3.1.3.2 - TP Schematic - Fresno to Bakersfield	B3.22A1P12	01-Jul-09	31-Aug-09	62	01-Jul-09 A	14-Apr-10*	0%																		
	TM 3.1.3.2 - TP Schematic - San Jose to Merced	B3.22A1P13	01-Jul-09	31-Aug-09	62	01-Jul-09 A	14-Apr-10*	0%																		
	TM 3.1.3.2 - TP Schematic - San Francisco to San Jose	B3.22A1P14	01-Jul-09	31-Aug-09	62	01-Jul-09 A	14-Apr-10*	0%																		
	TM 2.1.3 - 80 mph Turnout	B3.2.2SPA12			0	01-Jul-09 A	15-Feb-10*	10%																		
	TM 2.1.3 - No. 9 Turnout	B3.2.2SPA22			0	01-Jul-09 A	15-Feb-10*	10%																		
	TM 2.1.3 - No. 11 Turnout	B3.2.2SPA32			0	01-Jul-09 A	15-Feb-10*	10%																		
	TM 2.1.3 - No. 15 Turnout	B3.2.2SPA42			0	01-Jul-09 A	15-Feb-10*	10%																		
	TM 2.1.3 - No. 20 Turnout	B3.2.2SPA52			0	01-Jul-09 A	15-Feb-10*	10%																		
	TM 3.1.1.3 - TP - Conceptual Layout with 3 High Voltage Transformers	B3.22A1P51			0	01-Jul-09 A	15-Feb-10*	50%																		
	TM 3.1.1.3 - TP - Typical Duct Bank Details	B3.22A1P61			0	01-Jul-09 A	15-Feb-10*	50%																		
	TM 3.1.1.3 - Typical Man Hole Details	B3.22A1P71			0	01-Jul-09 A	15-Feb-10*	50%																		
	TM 3.1.1.3 - TP - Typical Main Gantry and Strain Gantry	B3.22A1P81			0	01-Jul-09 A	15-Feb-10*	50%																		
TM 3.1.3.2 - TP Schematic - Merced to Fresno	B3.22A1P22			0	01-Jul-09 A	14-Apr-10*	0%																			
TM 3.1.3.2 - TP Schematic - Los Angeles to Anaheim	B3.22A1P20			0	01-Jul-09 A	17-Mar-10*	0%																			
TM 3.1.3.2 - TP Schematic - Altamont	B3.22A1P23			0	01-Jul-09 A	14-May-10*	0%																			
TM 1.1.8 - Systemwide Schematic	B3.2.2SP24			0	01-Jul-09 A	02-Apr-10*	30%																			
Project Name: PMT Jan 10 Update Under Development/not complete		Project Start: 12-Feb-07			Monthly Schedule Update			Page 10 of 14		Baseline		Baseline Milestone		Summary												
Layout Name: PMT Monthly Schedule Update - R2 2010-02		Project Finish: 20-Jul-13						Date & Time: 22-Feb-10 14:41		Actual Work		Milestone (Actual/Forecast)														
Report Name: PMT-07 Jan 10 Update Sch Rpt.pdf		Project Data Date: 31-Jan-10								Remaining Work		Physical % Complete														





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	TM 2.1.3 - High-Speed Turnout and Crossover Data	B3.2.2SP05	01-Feb-10	30-Jun-10	150	10-Aug-09 A	15-Feb-10*	75%	<div></div>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

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Activity Name	Activity ID	Planned Start Date	Planned Finish Date	Planned Duration	Actual/Forecast Start Date	Actual/Forecast Finish Date	Physical % Complete	FY2010				FY2011				FY2012				FY2013				FY2014	
								FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2
Division 15 - Traction Power	B391SPD15	02-Nov-10	31-Mar-11	150	02-Nov-10	31-Mar-11*	0%																		
Division 1 - General	B391SPD01	31-Jan-11	29-Jun-11	150	31-Jan-11	29-Jun-11*	0%																		
Division 2 - Site Construction	B391SPD02	31-Jan-11	29-Jun-11	150	31-Jan-11	29-Jun-11*	0%																		
Division 7 - Thermal and Moisture Protection	B391SPD07	31-Jan-11	29-Jun-11	150	31-Jan-11	29-Jun-11*	0%																		
Division 10 - Specialties	B391SPD10	31-Jan-11	29-Jun-11	150	31-Jan-11	29-Jun-11*	0%																		
Division 12 - Furnishings	B391SPD12	31-Jan-11	29-Jun-11	150	31-Jan-11	29-Jun-11*	0%																		
Division 13 - Special Construction	B391SPD13	31-Jan-11	29-Jun-11	150	31-Jan-11	29-Jun-11*	0%																		
Division 17 - Positive Train Control	B391SPD17	31-Jan-11	29-Jun-11	150	31-Jan-11	29-Jun-11*	0%																		
Division 18 - Fiber Optic Bsackbone Communicatio	B391SPD18	31-Jan-11	29-Jun-11	150	31-Jan-11	29-Jun-11*	0%																		
Division 19 - Supervisory Control and Data Acqui	B391SPD19	31-Jan-11	29-Jun-11	150	31-Jan-11	29-Jun-11*	0%																		
Division 22 - Plumbing	B391SPD22	31-Jan-11	29-Jun-11	150	31-Jan-11	29-Jun-11*	0%																		
Division 23 - Heating, Ventilation and Air-Condi	B391SPD23	31-Jan-11	29-Jun-11	150	31-Jan-11	29-Jun-11*	0%																		
Division 24 - Reserved	B391SPD24	31-Jan-11	29-Jun-11	150	31-Jan-11	29-Jun-11*	0%																		
Division 25 - Integrated Automation	B391SPD25	31-Jan-11	29-Jun-11	150	31-Jan-11	29-Jun-11*	0%																		
Final Standard Specifications	B391SP05	01-Feb-11	30-Jun-11	150	01-Feb-11	30-Jun-11*	0%																		
3.10 - Cost Estimating		01-Jul-09	30-Jun-13	1031	01-Jul-09 A	30-Jun-13																			
3.10 - Cost Estimating	B31000A0	01-Jul-09	30-Jun-13	1461	01-Jul-09 A	30-Jun-13	50%																		
3.10.1 - 15% Design Level Capital Cost Estimate		30-Jul-09	30-Jun-10	234	01-Jul-09 A	30-Oct-10																			
Updated Item List & Unit Prices 15% Dgn	B3.10.1 C1	30-Jul-09	30-Oct-09	93	01-Jul-09 A	03-May-10*	75%																		
15% Dgn Lvl Capital Cost Est for Compl Segments	B3101C10	01-Feb-10	30-Jun-10	150	02-Nov-09 A	30-Oct-10*	50%																		
3.10.2 - 30% Design Level Capital Cost Estimate		02-Sep-09	30-Jun-11	466	31-Jan-10	30-Jan-12																			
Draft Item List & Unit Prices 30% Dgn	B3.10.2 C2	02-Sep-09	29-Jan-10	150	31-Jan-10	29-Jun-10*	0%																		
30% Dgn Lvl Capital Cost Estimating Methodology	B3102C10	01-Feb-10	30-Jun-10	150	01-Feb-10	30-Jun-10*	0%																		
30% Dgn Lvl Capital Cost Estimate for Compl Segm	B3102C15	01-Feb-11	30-Jun-11	150	29-Aug-11	30-Jan-12*	0%																		
3.10.3 - Annual Operations and Maintenance Costs		01-Jul-09	31-Dec-09	127	01-Feb-10	28-Jun-13																			
3.10.3 - Annual Operations and Maint Cost model	B3.10.3 C3	01-Jul-09	31-Dec-09	132	01-Feb-10*	28-Jun-13	0%																		
O&M Cost Model	B3103C10		31-Dec-09	0		28-Jun-13*	0%																		
3.11 - Design Manual		01-Jul-09	30-Jun-11	510	01-Jul-09 A	30-Jun-11																			
3.11.1 - CHSTP Design Manual		01-Jul-09	30-Jun-11	510	01-Jul-09 A	30-Jun-11																			
3.11.1 - In-Progrss CHSTP Design Manual	B3111A10	01-Jul-09	30-Jun-11	522	01-Jul-09 A	30-Jun-11	10%																		
Draft CHSTP Design Manual	B3111A15	03-Aug-10	30-Dec-10	150	03-Aug-10	30-Dec-10*	0%																		
Final CHSTP Design Manual	B3111A20	01-Feb-11	30-Jun-11	150	01-Feb-11	30-Jun-11*	0%																		
3.12 - Design Submittal Review		01-Jul-09	14-Jul-14	1302	01-Jul-09 A	30-Jun-13																			
3.12.1 - Submittal Reviews & Compliance Reviews		01-Jul-09	14-Jul-14	1302	01-Jul-09 A	30-Jun-13																			
3.12.1 - Submittal Reviews & Compliance Reviews	B3121A10	01-Jul-09	30-Jun-13	1461	01-Jul-09 A	30-Jun-13	10%																		
LA to Anaheim Sec - 15% Design Submittal Review	B3121B10	02-Oct-09	30-Dec-09	90	03-Aug-09 A	30-Apr-10*	75%																		
Palmdale to LA Sec - 15% Design Submittal Review	B3121B19	10-Sep-10	08-Dec-10	90	13-May-10	21-Jun-10*	0%																		
SJ to Merced Sec - 15% Design Submittal Review	B3121B15	27-Aug-10	24-Nov-10	90	20-Sep-10	29-Oct-10*	0%																		
SF to SJ Sec - 15% Design Submittal Review	B3121B13	12-Sep-10	10-Dec-10	90	18-Oct-10	26-Nov-10*	0%																		
Merced to BF Sec - 15% Design Submittal Review	B3121B17	10-Feb-11	10-May-11	90	02-Dec-10	10-Jan-11*	0%																		
LA to Anaheim Sec - 30% Design Subm Review	B3121B35	05-Apr-11	02-Aug-11	120	26-Feb-11	26-Apr-11*	0%																		
Sac to Merced Sec - 15% Design Submittal Review	B3121B30	10-Mar-12	07-Jun-12	90	18-Mar-11	26-Apr-11*	0%																		
BF to Palmdale Sec - 15% Design Submittal Review	B3121B18	30-Apr-11	28-Jul-11	90	11-Apr-11	20-May-11*	0%																		
Palmdale to LA Sec - 30% Design Subm Review	B3121B60	26-Oct-11	22-Feb-12	120	21-Aug-11	19-Oct-11*	0%																		
LA to San Diego Sec - 15% Design Submittal Rvu	B3121B33	14-Apr-13	12-Jul-13	90	08-Sep-11	17-Oct-11*	0%																		
Project Name: PMT Jan 10 Update Under Development/not complete		Project Start: 12-Feb-07		Monthly Schedule Update				Page 13 of 14				Baseline										Baseline Milestone		Summary	
Layout Name: PMT Monthly Schedule Update - R2 2010-02		Project Finish: 20-Jul-13						Date & Time: 22-Feb-10 14:41				Actual Work										Milestone (Actual/Forecast)			
Report Name: PMT-07 Jan 10 Update Sch Rpt.pdf		Project Data Date: 31-Jan-10										Remaining Work										Physical % Complete			



		Project Management Team (PMT)							Engineering Management																		
		Monthly Schedule Update							Task 3																		
		January 2010																									
Activity Name		Activity ID	Planned Start Date	Planned Finish Date	Planned Duration	Actual/Forecast Start Date	Actual/Forecast Finish Date	Physical % Complete	FY2010				FY2011				FY2012				FY2013				FY2014		
									FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	
	SF to San Jose Sec - 30% Design Subm Review	B3121B40	23-Sep-11	20-Jan-12	120	08-Nov-11	06-Jan-12*	0%																			
	San Jose to Merced Sec - 30% Design Subm Review	B3121B45	31-Oct-11	27-Feb-12	120	17-Dec-11	14-Feb-12*	0%																			
	Merced to BF Sec - 30% Design Subm Review	B3121B50	27-Feb-12	25-Jun-12	120	30-Dec-11	27-Feb-12*	0%																			
	BF to Palmdale Sec - 30% Design Subm Review	B3121B55	21-Sep-12	18-Jan-13	120	22-Apr-12	20-Jun-12*	0%																			
	Altamont Pass Sec - 30% Design Subm Review	B3121B80			0	04-Nov-12	02-Jan-13*	0%																			
	Sac to Merced Sec - 30% Design Subm Review	B3121B65	01-Jul-13	28-Oct-13	120	08-Jan-13	08-Mar-13*	0%																			
	LA to San Diego Sec - 30% Design Subm Review	B3121B70	17-Mar-14	14-Jul-14	120	17-Mar-13	15-May-13*	0%																			
	3.13 - Risk Management			02-May-11	30-Jun-13	565	02-May-11	30-Jun-13																			
	3.13.1 - CHSTP Risk Register			02-May-11	30-Jun-13	565	02-May-11	30-Jun-13																			
	Updated CHSTP Risk Register	B3131A15	02-May-11	30-Jun-11	60	02-May-11	30-Jun-11*	0%																			
	Updated CHSTP Risk Register	B3131A20	02-May-12	30-Jun-12	60	02-May-12	30-Jun-12*	0%																			
	Updated CHSTP Risk Register	B3131A25	02-May-13	30-Jun-13	60	02-May-13	30-Jun-13*	0%																			
	3.14 - Staging and Procurement Support			01-Jun-11	30-Jun-12	283	01-Jun-11	30-Jun-12																			
	3.14.1 - Staging and Procurement Support			01-Jun-11	30-Jun-12	283	01-Jun-11	30-Jun-12																			
	Final Oper Perfo Spec Outline for Procurement	3141A15	01-Jun-11	30-Jun-11	30	01-Jun-11	30-Jun-11*	0%																			
	Draft Train Contro Perfo Spec Outline for Procur	3141B10	01-Jun-11	30-Jun-11	30	01-Jun-11	30-Jun-11*	0%																			
	Draft Communicatios Perfo Spec Outline for Procu	3141C10	01-Jun-11	30-Jun-11	30	01-Jun-11	30-Jun-11*	0%																			
	Final Maint Fac Perfo Spec for Procurement	B3141A11	01-Jun-11	30-Jun-11	30	01-Jun-11	30-Jun-11*	0%																			
	Final Train Contro Perfo Spec Outline for Procur	3141B15	01-Jun-12	30-Jun-12	30	01-Jun-12	30-Jun-12*	0%																			
	Final Communicatios Perfo Spec Outline for Procu	3141C15	01-Jun-12	30-Jun-12	30	01-Jun-12	30-Jun-12*	0%																			
	Project Name: PMT Jan 10 Update Under Development/not complete		Project Start: 12-Feb-07		Monthly Schedule Update				Page 14 of 14		Baseline		Baseline Milestone		Summary												
	Layout Name: PMT Monthly Schedule Update - R2 2010-02		Project Finish: 20-Jul-13						Date & Time: 22-Feb-10 14:41		Actual Work		Milestone (Actual/Forecast)														
	Report Name: PMT-07 Jan 10 Update Sch Rpt.pdf		Project Data Date: 31-Jan-10								Remaining Work		Physical % Complete														

**Attachment 4 – Regional Consultant Detailed Schedule (San Jose to Merced)**



				Monthly Schedule Update						San Jose to Merced - JM																							
										January 2010 Update																							
Activity Name		Activity ID	Planned Start Date	Planned Finish Date	Planned Duration	Actual/Forecast Start Date	Actual/Forecast Finish Date	Remaining Duration	Physical % Complete	200820092010201120122013																							
										Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
California HSR - Pacheco Pass			09-Dec-08	28-Jun-13	1174	09-Dec-08 A	28-Jun-13	884																									
Signed Contract	1000	09-Dec-08	09-Dec-08	1	09-Dec-08 A	09-Dec-08 A	0	100%	!																								
FY 1/ 2 Comp (Mandatory Finish)	1002		30-Jun-10	0		30-Jun-10*	0	0%																									
FY 3 Comp (Mandatory Finish)	1003		30-Jun-11	0		30-Jun-11*	0	0%																									
FY 4 Comp (Mandatory Finish)	1004		02-Jul-12	0		02-Jul-12*	0	0%																									
FY 5 Comp (Mandatory Finish)	1005		28-Jun-13	0		28-Jun-13*	0	0%																									
Record of Decision	1006		19-Dec-11	0		19-Dec-11*	0	0%																									
NTP 2 Released	2000	10-Apr-09		0	10-Apr-09 A		0	100%																									
1.1 Project Management Plan & Meetings			10-Dec-08	28-Jun-13	1173	09-Dec-08 A	28-Jun-13	884																									
1.1.1 Project Management/PM Plan/Meetings/Coordination			10-Dec-08	30-Jul-10	417	09-Dec-08 A	30-Jun-10	107																									
Prepare Draft Project Management Plan	1010110	27-May-09	30-Jun-09	25	27-May-09 A	21-Aug-09 A	0	100%																									
PMT/Authority Review of Draft PMP	1010120	21-Aug-09	31-Aug-09	7	21-Aug-09 A	25-Sep-09 A	0	100%																									
Revise & Submit Final PMP	1010130	01-Oct-09	07-Oct-09	5	23-Sep-09 A	07-Oct-09 A	0	100%																									
Maintain PMP	1010140	08-Oct-09	30-Jun-10	184	07-Oct-09 A	30-Jun-10	106	60%																									
Team, PM, Reg. Coordination, Program-Wide Mtgs, FY1/	1010150CP	10-Dec-08	30-Jun-10	395	09-Dec-08 A	30-Jun-10	106	60%																									
Team, PM, Reg. Coordination, Program-Wide Mtgs, FY1/	1010150PR	10-Dec-08	30-Jul-10	416	09-Dec-08 A	30-Jun-10	106	60%																									
Project Management/PM Plan/Meetings/Coordination FY3			01-Jul-10	30-Jun-11	256	01-Jul-10	30-Jun-11	256																									
Maintain PMP	1013140	01-Jul-10	30-Jun-11	254	01-Jul-10	30-Jun-11	254	0%																									
Team, PM, Reg. Coordination, Program-Wide Mtgs, FY 3	1013150	01-Jul-10	30-Jun-11	254	01-Jul-10	30-Jun-11	254	0%																									
Project Management/PM Plan/Meetings/Coordination FY4			01-Jul-11	29-Jun-12	261	01-Jul-11	29-Jun-12	261																									
Maintain PMP	1014140	01-Jul-11	15-Feb-12	158	01-Jul-11	15-Feb-12	158	0%																									
Team, PM, Reg. Coordination, Program-Wide Mtgs, FY 4	1014150	01-Jul-11	29-Jun-12	254	01-Jul-11	29-Jun-12	254	0%																									
Project Management/PM Plan/Meetings/Coordination FY5			28-Jun-12	28-Jun-13	262	28-Jun-12	28-Jun-13	262																									
Team, PM, Reg. Coordination, Program-Wide Mtgs, FY 5	1015150	28-Jun-12	28-Jun-13	254	28-Jun-12	28-Jun-13	254	0%																									
1.2 Quality Assurance & Quality Control			10-Dec-08	28-Jun-13	1173	10-Dec-08 A	28-Jun-13	884																									
1.2.1 Quality Assurance/Quality Control/Safety/Risk			10-Dec-08	30-Jun-10	396	10-Dec-08 A	30-Jun-10	107																									
Prepare Draft QA/QC Plan & Training Documents	1020110	10-Dec-08	08-Jan-09	20	10-Dec-08 A	30-Jun-09 A	0	100%																									
PMT/Authority Review	1020115	24-Jun-09	30-Jun-09	5	01-Jul-09 A	07-Jul-09 A	0	100%																									
Revise & Submitt Final QA/QC Plan/Training Documents	1020120	01-Jul-09	08-Jul-09	5	08-Jul-09 A	04-Aug-09 A	0	100%																									
Implement QA/QC Plan FY1/2 (PR)	1020125PR	08-Jul-09	02-Jun-10	229	04-Aug-09 A	30-Jun-10	106	58.5%																									
Prepare Draft Safety Plan	1020130	28-May-09	24-Jun-09	20	10-Dec-08 A	30-Jun-09 A	0	100%																									
PMT/Authority Review	1020135	25-Jun-09	01-Jul-09	5	01-Jul-09 A	08-Jul-09 A	0	100%																									
Revise & Submitt Final Safety Plan	1020140	02-Jul-09	09-Jul-09	5	09-Jul-09 A	04-Aug-09 A	0	100%																									
Implement Safety Plan FY 1/2 (PR)	1020145PR	09-Jul-09	30-Jun-10	248	04-Aug-09 A	30-Jun-10	106	58.4%																									
Prepare Risk Management Plan	1020150	12-Feb-10	12-Mar-10	20	12-Feb-10	12-Mar-10	20	0%																									
PMT/Authority Review	1020153	15-Mar-10	19-Mar-10	5	15-Mar-10	19-Mar-10	5	0%																									
Revise & Submitt Risk Management Plan	1020155	22-Mar-10	26-Mar-10	5	22-Mar-10	26-Mar-10	5	0%																									
Apply Risk Management Plan	1020165	29-Mar-10	28-Jun-10	65	29-Mar-10	28-Jun-10	65	0%																									
Quality Assurance/Quality Control/Safety/Risk FY 3			01-Feb-10	30-Jun-11	363	01-Feb-10	30-Jun-11	363																									
Implement QA/QC Plan FY 3	1023125	01-Feb-10	10-Feb-11	261	01-Feb-10	10-Feb-11	261	0%																									
Implement Safety Plan FY 3	1023145	01-Feb-10	10-Feb-11	261	01-Feb-10	10-Feb-11	261	0%																									
Apply Risk Management Plan	1023165	22-Jun-10	30-Jun-11	261	22-Jun-10	30-Jun-11	261	0%																									
Quality Assurance/Quality Control/Safety/Risk FY 4			11-Feb-11	29-Jun-12	361	11-Feb-11	29-Jun-12	361																									
Implement QA/QC Plan FY 4	1024125	11-Feb-11	10-Feb-12	254	11-Feb-11	10-Feb-12	254	0%																									
Implement Safety Plan FY 4	1024145	11-Feb-11	10-Feb-12	254	11-Feb-11	10-Feb-12	254	0%																									
Apply Risk Management Plan	1024165	01-Jul-11	29-Jun-12	254	01-Jul-11	29-Jun-12	254	0%																									
Project Name: California HSR - Pacheco Pass		Project Start: 09-Dec-08								Page 1 of 27				Remaining Level of Effort				Actual Work				Mileston...											
Layout Name: RDC Monthly Schedule Update - R2		Project Finish: 28-Jun-13								Date & Time: 22-Feb-10 15:11				Actual Level of Effort				Remaining Work				% Compl...											
Report Name: PMT Sch Rpt -- Segment Name and Update Date.pdf		Project Data Date: 30-Jan-10												Baseline				Baseline Milestone				Summary											
						Monthly Schedule Update																											

				Monthly Schedule Update						San Jose to Merced - JM																								
										January 2010 Update																								
Activity Name		Activity ID	Planned Start Date	Planned Finish Date	Planned Duration	Actual/Forecast Start Date	Actual/Forecast Finish Date	Remaining Duration	Physical % Complete																									
										2008		2009				2010				2011				2012				2013						
										Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4							
Quality Assurance/Quality Control/Safety/Risk FY 5			28-Jun-12	28-Jun-13	262	28-Jun-12	28-Jun-13	262																										
Implement QA/QC Plan FY 5		1020501	28-Jun-12	28-Jun-13	254	28-Jun-12	28-Jun-13	254	0%																									
Implement Safety Plan FY 5		1020502	28-Jun-12	28-Jun-13	254	28-Jun-12	28-Jun-13	254	0%																									
Apply Risk Management Plan		1020503	15-Aug-12	28-Jun-13	221	15-Aug-12	28-Jun-13*	221	0%																									
1.3 Document Control Plan			01-Jun-09	28-Jun-13	1053	10-Apr-09 A	28-Jun-13	884																										
1.3.1 Document Control Plan/Project Solve Mgmt			01-Jun-09	30-Jun-10	276	10-Apr-09 A	30-Jun-10	107																										
Prepare Document Control Plan		1030110	01-Jun-09	26-Jun-09	20	10-Apr-09 A	30-Jun-09 A	0	100%																									
PMT/Authority Review of Document Control Plan		1030115	29-Jun-09	06-Jul-09	5	01-Jul-09 A	04-Aug-09 A	0	100%																									
Revise Document Plan/Maintain ProjectSolve Files FY1/2		1030120PR	06-Jul-09	30-Jun-10	251	04-Aug-09 A	30-Jun-10	106	58.9%																									
Document Control Plan/Project Solve Mgmt FY 3			01-Jul-10	30-Jun-11	256	01-Jul-10	30-Jun-11	256																										
Revise Document Plan/Maintain ProjectSolve Files FY 3		1033120	01-Jul-10	30-Jun-11	254	01-Jul-10	30-Jun-11	254	0%																									
Document Control Plan/Project Solve Mgmt FY 4			01-Jul-11	29-Jun-12	261	01-Jul-11	29-Jun-12	261																										
Revise Document Plan/Maintain ProjectSolve Files FY 4		1034120	01-Jul-11	29-Jun-12	254	01-Jul-11	29-Jun-12	254	0%																									
Document Control Plan/Project Solve Mgmt FY 5			28-Jun-12	28-Jun-13	262	28-Jun-12	28-Jun-13	262																										
Revise Document Plan/Maintain ProjectSolve Files FY 5		1035120	28-Jun-12	28-Jun-13	254	28-Jun-12	28-Jun-13	254	0%																									
1.4 Schedule, Budget, Progress Reporting (mont...			10-Dec-08	28-Jun-13	1173	09-Dec-08 A	28-Jun-13	884																										
1.4.1 Schedule, Budget, Progress Reporting (monthly & ong...			10-Dec-08	30-Jun-10	396	09-Dec-08 A	30-Jun-10	107																										
Schedule, Budget & Progress Updates FY 1/2 (PR)		1040110PR	10-Dec-08	30-Jun-10	395	09-Dec-08 A	30-Jun-10	106	60%																									
Schedule, Budget, Progress Reporting (monthly & ongoing) ...			01-Feb-10	01-Feb-11	256	01-Feb-10	01-Feb-11	256																										
Schedule, Budget & Progress Updates FY 3		1043110	01-Feb-10	01-Feb-11	254	01-Feb-10	01-Feb-11	254	0%																									
Schedule, Budget, Progress Reporting (monthly & ongoing) ...			30-Jun-11	29-Jun-12	262	30-Jun-11	29-Jun-12	262																										
Schedule, Budget & Progress Updates FY 4		1044110	30-Jun-11	29-Jun-12	255	30-Jun-11	29-Jun-12	255	0%																									
Schedule, Budget, Progress Reporting (monthly & ongoing) ...			28-Jun-12	28-Jun-13	262	28-Jun-12	28-Jun-13	262																										
Schedule, Budget & Progress Updates FY 5		1045110	28-Jun-12	28-Jun-13	254	28-Jun-12	28-Jun-13	254	0%																									
2.1 Public Participation Plan			27-Apr-09	28-Jun-13	1077	04-Jun-09 A	28-Jun-13	884																										
2.1.1 Public Participation Plan			27-Apr-09	24-Jun-10	296	04-Jun-09 A	30-Jun-10	107																										
Prepare Initial PPP		2010110	27-Apr-09	22-May-09	20	04-Jun-09 A	02-Jul-09 A	0	100%																									
PMT/Authority/FRA Review of PPP		2010115	26-May-09	08-Jun-09	10	03-Jul-09 A	28-Aug-09 A	0	100%																									
Revise and Submit Final PPP		2010120	08-Jun-09	12-Jun-09	5	24-Aug-09 A	04-Sep-09 A	0	100%																									
Maintain PPP FY 1/2 (CP)		2010125CP	01-Sep-09	24-Jun-10	206	04-Sep-09 A	30-Jun-10	106	51.1%																									
Public Participation Plan FY 3			01-Feb-10	01-Feb-11	256	01-Feb-10	01-Feb-11	256																										
Maintain PPP FY 3		2013125	01-Feb-10	01-Feb-11	254	01-Feb-10	01-Feb-11	254	0%																									
Public Participation Plan FY 4			01-Jul-11	11-Jul-12	269	01-Jul-11	11-Jul-12	269																										
Maintain PPP FY 4		2014125	01-Jul-11	11-Jul-12	261	01-Jul-11	11-Jul-12	261	0%																									
Public Participation Plan FY 5			28-Jun-12	28-Jun-13	262	28-Jun-12	28-Jun-13	262																										
Maintain PPP FY 5		2015125	28-Jun-12	28-Jun-13	254	28-Jun-12	28-Jun-13	254	0%																									
2.2 CHSTP Agency Cordination Plan-1			27-Apr-09	04-Sep-09	93	04-Jun-09 A	04-Sep-09 A	0																										
2.2.1 CHSTP Agency Cordination Plan			27-Apr-09	04-Sep-09	93	04-Jun-09 A	04-Sep-09 A	0																										
Prepare & Submit draft CHSTP Agency cordination plan		2020110	27-Apr-09	22-May-09	20	04-Jun-09 A	01-Jul-09 A	0	100%																									
Review of draft CHSTP Agency Cordination plan		2020115	26-May-09	08-Jun-09	10	02-Jul-09 A	28-Aug-09 A	0	100%																									
Revise & Submit final CHSTP Agency cordination plan (JS)		2020120JS	24-Aug-09	04-Sep-09	10	24-Aug-09 A	04-Sep-09 A	0	100%																									
2.3 Maintain Stakeholder Data Base			06-Jan-09	28-Jun-13	1156	06-Jan-09 A	28-Jun-13	884																										
2.3.1 Maintain Stakeholder Data Base			06-Jan-09	30-Jun-10	379	06-Jan-09 A	30-Jun-10	107																										
ID Key Stakeholders for Interviews		2030110	06-Jan-09	22-Jan-09	13	06-Jan-09 A	22-Jan-09 A	0	100%																									
PMT / Authority / FRA Review		2030115	23-Jan-09	27-Jan-09	3	23-Jan-09 A	27-Jan-09 A	0	100%																									
Prepare Stakeholder Database		2030120	25-Mar-09	21-Apr-09	20	25-Mar-09 A	21-Apr-09 A	0	100%																									
Project Name: California HSR - Pacheco Pass			Project Start: 09-Dec-08							Page 2 of 27				Remaining Level of Effort												Actual Work				Milestone...				
Layout Name: RDC Monthly Schedule Update - R2			Project Finish: 28-Jun-13											Actual Level of Effort												Remaining Work				% Compl...				
Report Name: PMT Sch Rpt -- Segment Name and Update Date.pdf			Project Data Date: 30-Jan-10											Baseline												Baseline Milestone				Summary				
Monthly Schedule Update																			Date & Time: 22-Feb-10 15:11															



				Monthly Schedule Update					San Jose to Merced - JM																	
									January 2010 Update																	
Activity Name	Activity ID	Planned Start Date	Planned Finish Date	Planned Duration	Actual/Forecast Start Date	Actual/Forecast Finish Date	Remaining Duration	Physical % Complete	200820092010201120122013																	
									Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
PMT/Authority Review	2030125	22-Apr-09	29-Apr-09	6	22-Apr-09 A	29-Apr-09 A	0	100%																		
Maintain Stakeholder Database FY 1/2 (CP)	2030130CP	30-Apr-09	30-Jun-10	296	29-Apr-09 A	30-Jun-10	106	60%																		
Maintain Stakeholder Data Base FY 3		01-Feb-10	01-Feb-11	256	01-Feb-10	01-Feb-11	256																			
Maintain Stakeholder Database FY 3	2033130	01-Feb-10	01-Feb-11	254	01-Feb-10	01-Feb-11	254	0%																		
Maintain Stakeholder Data Base FY 4		02-Feb-11	01-Feb-12	261	02-Feb-11	01-Feb-12	261																			
Maintain Stakeholder Database FY 4	2034130	02-Feb-11	01-Feb-12	254	02-Feb-11	01-Feb-12	254	0%																		
Maintain Stakeholder Data Base FY 5		28-Jun-12	28-Jun-13	262	28-Jun-12	28-Jun-13	262																			
Maintain Stakeholder Database FY 5	2035130	28-Jun-12	28-Jun-13	254	28-Jun-12	28-Jun-13	254	0%																		
2.4 Memoranda of Understanding		10-Dec-08	28-Jun-13	1173	09-Dec-08 A	28-Jun-13	884																			
2.4.1 Memoranda of Understanding		10-Dec-08	30-Jun-10	396	09-Dec-08 A	30-Jun-10	107																			
Prepare Memoranda of Understanding (MOU's) as Needed	2040110CP	10-Dec-08	30-Jun-10	395	09-Dec-08 A	30-Jun-10	106	60%																		
Prepare Memoranda of Understanding (MOU's) as Needed	2040110JS	10-Dec-08	30-Jun-10	395	09-Dec-08 A	30-Jun-10	106	60%																		
Memoranda of Understanding FY 3		01-Jul-10	01-Jul-11	257	01-Jul-10	01-Jul-11	257																			
Prepare Memoranda of Understanding (MOU's) as Needed	2043110	01-Jul-10	01-Jul-11	255	01-Jul-10	01-Jul-11	255	0%																		
Memoranda of Understanding FY 4		05-Jul-11	03-Jul-12	261	05-Jul-11	03-Jul-12	261																			
Prepare Memoranda of Understanding (MOU's) as Needed	2044110	05-Jul-11	03-Jul-12	255	05-Jul-11	03-Jul-12	255	0%																		
Memoranda of Understanding FY 5		28-Jun-12	28-Jun-13	262	28-Jun-12	28-Jun-13	262																			
Prepare Memoranda of Understanding (MOU's) as Needed	2045110	28-Jun-12	28-Jun-13	254	28-Jun-12	28-Jun-13	254	0%																		
2.5 Stakeholder Meetings/Briefings		28-Jan-09	28-Jun-13	1140	28-Jan-09 A	28-Jun-13	884																			
2.5.1 Stakeholder Meetings/Briefings		28-Jan-09	30-Jun-10	363	28-Jan-09 A	30-Jun-10	107																			
Hold Pre-scoping Stakeholder Meetings	2050110	28-Jan-09	10-Mar-09	30	28-Jan-09 A	14-Apr-09 A	0	100%																		
Hold On-going Stakeholder Meetings FY 1/2 (CP)	2050115CP	11-Mar-09	30-Jun-10	332	28-Jan-09 A	30-Jun-10	106	60%																		
Hold On-going Stakeholder Meetings FY 1/2 (JS)	2050115JS	11-Mar-09	30-Jun-10	332	28-Jan-09 A	30-Jun-10	106	60%																		
Identify Agency Working Groups	2050120	11-May-09	15-Jun-09	25	11-May-09 A	21-Aug-09 A	0	100%																		
Participate in Agency Working Group Meetings FY 1/2 (C	2050125CP	29-Jun-09	30-Jun-10	255	15-Jun-09 A	30-Jun-10	106	60%																		
Participate in Agency Working Group Meetings FY 1/2 (JS)	2050125JS	29-Jun-09	30-Jun-10	255	15-Jun-09 A	30-Jun-10	106	60%																		
Stakeholder Meetings/Briefings FY 3		01-Feb-10	30-Jun-11	363	01-Feb-10	30-Jun-11	363																			
Hold On-going Stakeholder Meetings FY 3	2053115	01-Jul-10	30-Jun-11	254	01-Jul-10	30-Jun-11	254	0%																		
Participate in Agency Working Group Meetings FY 3	2053125	01-Feb-10	01-Feb-11	254	01-Feb-10	01-Feb-11	254	0%																		
Stakeholder Meetings/Briefings FY 4		02-Feb-11	29-Jun-12	368	02-Feb-11	29-Jun-12	368																			
Hold On-going Stakeholder Meetings FY 4	2054115	01-Jul-11	29-Jun-12	254	01-Jul-11	29-Jun-12	254	0%																		
Participate in Agency Working Group Meetings FY 4	2054125	02-Feb-11	02-Feb-12	255	02-Feb-11	02-Feb-12	255	0%																		
Stakeholder Meetings/Briefings FY 5		28-Jun-12	28-Jun-13	262	28-Jun-12	28-Jun-13	262																			
Hold On-going Stakeholder Meetings FY 5	2055115	28-Jun-12	28-Jun-13	254	28-Jun-12	28-Jun-13	254	0%																		
Participate in Agency Working Group Meetings FY 5	5055125	28-Jun-12	28-Jun-13	254	28-Jun-12	28-Jun-13	254	0%																		
2.6 Outreach		10-Dec-08	28-Jun-13	1173	09-Dec-08 A	28-Jun-13	884																			
2.6.1 Outreach		10-Dec-08	30-Jun-10	396	09-Dec-08 A	30-Jun-10	107																			
Outreach FY 1/2 (CP)	2060110CP	10-Dec-08	30-Jun-10	395	09-Dec-08 A	30-Jun-10	106	60%																		
Outreach FY 3		01-Feb-10	01-Feb-11	256	01-Feb-10	01-Feb-11	256																			
Outreach FY 3	2063110	01-Feb-10	01-Feb-11	254	01-Feb-10	01-Feb-11	254	0%																		
Outreach FY 4		30-Jun-11	29-Jun-12	262	30-Jun-11	29-Jun-12	262																			
Outreach FY 4	2064110	30-Jun-11	29-Jun-12	255	30-Jun-11	29-Jun-12	255	0%																		
Outreach FY 5		28-Jun-12	28-Jun-13	262	28-Jun-12	28-Jun-13	262																			
Outreach FY 5	2065110	28-Jun-12	28-Jun-13	254	28-Jun-12	28-Jun-13	254	0%																		
2.7 Create & Distribute Media/ Newsletters		10-Dec-08	28-Jun-13	1173	09-Dec-08 A	28-Jun-13	884																			
2.7.1 Create & Distribute Media/ Newsletters		10-Dec-08	30-Jun-10	396	09-Dec-08 A	30-Jun-10	107																			
Project Name: California HSR - Pacheco Pass		Project Start: 09-Dec-08							Page 3 of 27				Remaining Level of Effort				Actual Work				Milestone...					
Layout Name: RDC Monthly Schedule Update - R2		Project Finish: 28-Jun-13							Date & Time: 22-Feb-10 15:11				Actual Level of Effort				Remaining Work				% Compl...					
Report Name: PMT Sch Rpt -- Segment Name and Update Date.pdf		Project Data Date: 30-Jan-10			Monthly Schedule Update								Baseline				Baseline Milestone				Summary					

				Monthly Schedule Update						San Jose to Merced - JM																	
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Activity Name	Activity ID	Planned Start Date	Planned Finish Date	Planned Duration	Actual/Forecast Start Date	Actual/Forecast Finish Date	Remaining Duration	Physical % Complete																			
									2008	2009				2010				2011				2012				2013	
										Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Create & Distribute Media/Newsletters/Outreach Material:	2070110CP	10-Dec-08	30-Jun-10	395	09-Dec-08 A	30-Jun-10	106	60%																			
Create & Distribute Media/ Newsletters FY 3		01-Feb-10	01-Feb-11	256	01-Feb-10	01-Feb-11	256																				
Create & Distribute Media/Newsletters/Outreach Material:	2073110	01-Feb-10	01-Feb-11	254	01-Feb-10	01-Feb-11	254	0%																			
Create & Distribute Media/ Newsletters FY 4		30-Jun-11	29-Jun-12	262	30-Jun-11	29-Jun-12	262																				
Create & Distribute Media/Newsletters/Outreach Material:	2074110	30-Jun-11	29-Jun-12	255	30-Jun-11	29-Jun-12	255	0%																			
Create & Distribute Media/ Newsletters FY 5		27-Jun-12	28-Jun-13	263	27-Jun-12	28-Jun-13	263																				
Create & Distribute Media/Newsletters/Outreach Material:	2075110	27-Jun-12	28-Jun-13	255	27-Jun-12	28-Jun-13	255	0%																			
3.1 Notice of Preparation/Notice of Intent		13-Jan-09	16-Mar-09	44	13-Jan-09 A	16-Mar-09 A	0																				
3.1.1 Notice of Preparation/Notice of Intent		13-Jan-09	16-Mar-09	44	13-Jan-09 A	16-Mar-09 A	0																				
Prepare Draft NOI/NOP (JS)	3010110JS	13-Jan-09	03-Feb-09	16	13-Jan-09 A	02-Feb-09 A	0	100%																			
Prepare Draft NOI/NOP (PR)	3010110PR	13-Jan-09	03-Feb-09	16	13-Jan-09 A	02-Feb-09 A	0	100%																			
PMT/Authority/FRA/AG Review of Draft NOI/NOP	3010115	04-Feb-09	10-Feb-09	5	04-Feb-09 A	10-Feb-09 A	0	100%																			
Revise & Finalize NOI/NOP	3010120	11-Feb-09	13-Feb-09	3	11-Feb-09 A	13-Feb-09 A	0	100%																			
PMT/Authority/FRA/AG Review of Final NOI/NOP	3010125	16-Feb-09	17-Feb-09	2	16-Feb-09 A	17-Feb-09 A	0	100%																			
File and Distribute NOP	3010130	23-Feb-09		0	23-Feb-09 A		0	100%																			
Submit NOI to EPA (for Federal Register)	3010135	13-Mar-09	13-Mar-09	1	13-Mar-09 A	13-Mar-09 A	0	100%																			
EPA Publishes NOI in Federal Register	3010140	16-Mar-09		0	16-Mar-09 A		0	100%																			
Prepare Draft Notification, Display Ads, Postcards	3010145	16-Feb-09	17-Feb-09	2	16-Feb-09 A	17-Feb-09 A	0	100%																			
PMT/Authority/FRA/AG Review of Draft Notification Mater	3010150	18-Feb-09	19-Feb-09	2	18-Feb-09 A	19-Feb-09 A	0	100%																			
Revise Notification, Display Ads, Postcards	3010155	20-Feb-09	23-Feb-09	2	04-Feb-09 A	06-Feb-09 A	0	100%																			
PMT/Authority/FRA/AG Approval to Publish/Distribute Ma	3010160	24-Feb-09	25-Feb-09	2	24-Feb-09 A	25-Feb-09 A	0	100%																			
Print/Publish/Distribute Notification Materials	3010165	26-Feb-09	26-Feb-09	1	26-Feb-09 A	26-Feb-09 A	0	100%																			
3.2 Project Scoping		07-Jan-09	02-Nov-09	211	07-Jan-09 A	02-Nov-09 A	0																				
3.2.1 Prepare Project Description		07-Jan-09	10-Mar-09	45	07-Jan-09 A	13-Mar-09 A	0																				
ID Venues & Dates of Scoping Meetings (AR)	3020110AR	07-Jan-09	05-Feb-09	22	07-Jan-09 A	05-Feb-09 A	0	100%																			
ID Venues & Dates of Scoping Meetings (AR)	3020110HD	07-Jan-09	05-Feb-09	22	07-Jan-09 A	05-Feb-09 A	0	100%																			
ID Venues & Dates of Scoping Meetings (JA)	3020110JA	07-Jan-09	05-Feb-09	22	07-Jan-09 A	05-Feb-09 A	0	100%																			
ID Venues & Dates of Scoping Meetings (JS)	3020110JS	07-Jan-09	05-Feb-09	22	07-Jan-09 A	05-Feb-09 A	0	100%																			
ID Venues & Dates of Scoping Meetings (PR)	3020110PR	07-Jan-09	05-Feb-09	22	07-Jan-09 A	05-Feb-09 A	0	100%																			
Prepare Scoping Materials/Handouts/Boards	30201120	02-Feb-09	18-Feb-09	13	02-Feb-09 A	02-Mar-09 A	0	100%																			
PMT/Authority/FRA/AG Concur on Venues & Dates	3020115	02-Feb-09	04-Feb-09	3	02-Feb-09 A	04-Feb-09 A	0	100%																			
PMT/Authority/FRA Review of Materials/Handouts/Boards	3020130	19-Feb-09	24-Feb-09	4	19-Feb-09 A	24-Feb-09 A	0	100%																			
Revise Scoping Materials/Handouts/Boards	3020140	25-Feb-09	03-Mar-09	5	25-Feb-09 A	03-Mar-09 A	0	100%																			
Print Materials for Scoping Meetings)	3020150	04-Mar-09	10-Mar-09	5	04-Mar-09 A	13-Mar-09 A	0	100%																			
3.2.2 EIR/EIS Scoping Meetings		24-Feb-09	14-Apr-09	36	24-Feb-09 A	14-Apr-09 A	0																				
Scoping Period	3020210	24-Feb-09	14-Apr-09	36	24-Feb-09 A	14-Apr-09 A	0	100%																			
Hold/Participate in Scoping Meeting in San Jose	3020215	25-Mar-09		0	25-Mar-09 A		0	100%																			
Hold/Participate in Scoping Meeting in Gilroy	3020220	26-Mar-09		0	26-Mar-09 A		0	100%																			
Hold/Participate in Scoping Meeting in Merced	3020225	18-Mar-09		0	18-Mar-09 A		0	100%																			
3.2.3 Create Scoping Report		15-Apr-09	02-Nov-09	141	15-Apr-09 A	02-Nov-09 A	0																				
Prepare Draft Scoping Report	3020310	15-Apr-09	22-Jun-09	48	15-Apr-09 A	10-Jul-09 A	0	100%																			
PMT/Authority/FRA Review of Draft Scoping Report	3020315	22-Jun-09	26-Jun-09	5	22-Jun-09 A	21-Aug-09 A	0	100%																			
Revise & Finalize Scoping Report	3020320	21-Aug-09	27-Aug-09	5	21-Aug-09 A	30-Oct-09 A	0	100%																			
Board Presentation on Scoping	3020325	02-Nov-09	02-Nov-09	1	02-Nov-09 A	02-Nov-09 A	0	100%																			
3.2.4 Identify Range of Alternatives		15-Apr-09	26-Jun-09	52	15-Apr-09 A	03-Jun-09 A	0																				
Identify Initial Project Alternatives	3020410	15-Apr-09	01-Jun-09	33	15-Apr-09 A	01-Jun-09 A	0	100%																			
Project Name: California HSR - Pacheco Pass		Project Start: 09-Dec-08			Monthly Schedule Update					Page 4 of 27																	
Layout Name: RDC Monthly Schedule Update - R2		Project Finish: 28-Jun-13								Date & Time: 22-Feb-10 15:11																	
Report Name: PMT Sch Rpt -- Segment Name and Update Date.pdf		Project Data Date: 30-Jan-10																									



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										January 2010 Update																
Activity Name	Activity ID	Planned Start Date	Planned Finish Date	Planned Duration	Actual/Forecast Start Date	Actual/Forecast Finish Date	Remaining Duration	Physical % Complete																		
									2008		2009				2010				2011				2012			
									Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
PMT/Authority/FRA Review of Initial Project Alternatives	3020415	01-Jun-09	01-Jun-09	1	01-Jun-09 A	01-Jun-09 A	0	100%																		
Finalize List of Initial Project Alternatives	3020420	02-Jun-09	26-Jun-09	19	02-Jun-09 A	03-Jun-09 A	0	100%																		
3.2.5 Define Screening Process & Criteria		11-Mar-09	12-Mar-09	2	08-Jul-09 A	10-Jul-09 A	0																			
Define Screening Process/Criteria (from Guidance)	3020510	11-Mar-09	12-Mar-09	2	08-Jul-09 A	10-Jul-09 A	0	100%																		
3.3 Refine Project Purpose & Need		14-Apr-09	22-Feb-10	218	14-Apr-09 A	22-Feb-10	16																			
3.3.1 Refine Project Purpose & Need		14-Apr-09	22-Feb-10	218	14-Apr-09 A	22-Feb-10	16																			
Prepare Draft Purpose & Need (AR)	3030110AR	14-Apr-09	22-Dec-09	176	14-Apr-09 A	27-Nov-09 A	0	100%																		
Prepare Draft Purpose & Need (JS)	3030110JS	14-Apr-09	22-Dec-09	176	14-Apr-09 A	27-Nov-09 A	0	100%																		
Prepare Draft Purpose & Need (PR)	3030110PR	14-Apr-09	22-Dec-09	176	14-Apr-09 A	27-Nov-09 A	0	100%																		
PMT/Authority/FRA Review of Draft Purpose & Need (AR)	3030115AR	01-Feb-10	05-Feb-10	5	01-Feb-10	05-Feb-10	5	0%																		
PMT/Authority/FRA Review of Draft Purpose & Need (JS)	3030115JS	08-Feb-10	12-Feb-10	5	08-Feb-10*	12-Feb-10	5	0%																		
PMT/Authority/FRA Review of Draft Purpose & Need (PR)	3030115PR	01-Feb-10	05-Feb-10	5	01-Feb-10	05-Feb-10	5	0%																		
Revise & Finalize Draft Purpose & Need (AR)	3030120AR	08-Feb-10	12-Feb-10	5	08-Feb-10	12-Feb-10	5	0%																		
Revise & Finalize Draft Purpose & Need (JS)	3030120JS	16-Feb-10	22-Feb-10	5	16-Feb-10	22-Feb-10	5	0%																		
Revise & Finalize Draft Purpose & Need (PR)	3030120PR	08-Feb-10	12-Feb-10	5	08-Feb-10	12-Feb-10	5	0%																		
3.4 Alternatives Analysis		02-Jun-09	08-Feb-10	174	02-Jun-09 A	26-Feb-10	20																			
3.4.1 Initial Dev Alternatives		21-Jul-09	21-Aug-09	24	21-Jul-09 A	21-Aug-09 A	0																			
Draft Initial Development of Alternatives (IDA) (AR)	3040110AR	21-Jul-09	21-Aug-09	24	21-Jul-09 A	21-Aug-09 A	0	100%																		
Draft Initial Development of Alternatives (IDA) (JS)	3040110JS	21-Jul-09	21-Aug-09	24	21-Jul-09 A	21-Aug-09 A	0	100%																		
Draft Initial Development of Alternatives (IDA) (PR)	3040110PR	21-Jul-09	21-Aug-09	24	21-Jul-09 A	21-Aug-09 A	0	100%																		
3.4.2 Agency & Stakeholder Outreach Round 1		02-Jun-09	11-Sep-09	72	02-Jun-09 A	09-Sep-09 A	0																			
Conduct Agency & Stakeholder Outreach (PR)	3040210PR	02-Jun-09	11-Sep-09	72	02-Jun-09 A	09-Sep-09 A	0	100%																		
3.4.3 Revise Draft IDA		28-Sep-09	20-Nov-09	40	28-Sep-09 A	11-Dec-09 A	0																			
Revise Draft Initial Development of Alternatives AA Sectic	3040310AR	28-Sep-09	20-Nov-09	40	28-Sep-09 A	11-Dec-09 A	0	100%																		
Revise Draft Initial Development of Alternatives AA Sectic	3040310PR	28-Sep-09	20-Nov-09	40	28-Sep-09 A	11-Dec-09 A	0	100%																		
3.4.4 Project Alternatives Analysis Report		12-Nov-09	12-Nov-09	1	12-Nov-09 A	12-Nov-09 A	0																			
Conduct Project Alternatives Workshop w/ PMT/Authority,	3040410PR	12-Nov-09	12-Nov-09	1	12-Nov-09 A	12-Nov-09 A	0	100%																		
3.4.5 Draft Alternatives Analysis Report		15-Sep-09	14-Jan-10	84	15-Sep-09 A	08-Jan-10 A	0																			
Alternatives Evaluation and Draft Alternatives Report (AR)	3040510AR	15-Sep-09	02-Dec-09	55	15-Sep-09 A	18-Dec-09 A	0	100%																		
Alternatives Evaluation and Draft Alternatives Report (JS)	3040510JS	15-Sep-09	02-Dec-09	55	15-Sep-09 A	18-Dec-09 A	0	100%																		
Alternatives Evaluation and Draft Alternatives Report (PR)	3040510PR	15-Sep-09	02-Dec-09	55	15-Sep-09 A	18-Dec-09 A	0	100%																		
Public meetings regarding Alternatives (AR)	3040515AR	21-Oct-09	14-Jan-10	58	21-Oct-09 A	08-Jan-10 A	0	100%																		
Public meetings regarding Alternatives (JS)	3040515JS	21-Oct-09	14-Jan-10	58	21-Oct-09 A	05-Jan-10 A	0	100%																		
Public meetings regarding Alternatives (PR)	3040515PR	21-Oct-09	14-Jan-10	58	21-Oct-09 A	08-Jan-10 A	0	100%																		
3.4.6 PMT/Authority/FRA/AD Revie		04-Jan-10	08-Jan-10	5	04-Jan-10 A	22-Jan-10 A	0																			
PMT/Authority/FRA Review of Alternatives Analysis Repo	3040610PR	04-Jan-10	08-Jan-10	5	04-Jan-10 A	22-Jan-10 A	0	100%																		
3.4.7 Presentation of Draft AA to CHSRA Board		01-Feb-10	01-Feb-10	1	01-Feb-10	01-Feb-10	1																			
Present to CAHSRA Board (PR)	3040710PR	01-Feb-10	01-Feb-10	1	01-Feb-10	01-Feb-10	1	0%																		
3.4.8 Agency & Stakeholder Outreach Round 2		20-Oct-09	31-Dec-09	50	20-Oct-09 A	26-Feb-10	20																			
Conduct Agency & Stakeholder Outreach (PR)	3040810PR	20-Oct-09	31-Dec-09	50	20-Oct-09 A	26-Feb-10	19	40%																		
3.4.9 Final Alternatives Analysis Report		04-Jan-10	08-Feb-10	26	14-Dec-09 A	26-Feb-10	20																			
Refine and Finalize AA Report (JS)	3040910JS	04-Jan-10	29-Jan-10	20	14-Dec-09 A	08-Feb-10	6	10%																		
Refine and Finalize AA Report (PR)	3040910PR	12-Jan-10	08-Feb-10	20	12-Jan-10 A	26-Feb-10	19	20%																		
3.5 Prepare Project Description		29-Jun-09	19-Mar-10	184	29-Jun-09 A	19-Mar-10	35																			
3.5.1 Prepare Draft Project Description		29-Jun-09	19-Mar-10	184	29-Jun-09 A	19-Mar-10	35																			
Define Initial Study Area (JS)	3050110JS	29-Jun-09	17-Aug-09	35	29-Jun-09 A	14-Aug-09 A	0	100%																		
Project Name: California HSR - Pacheco Pass		Project Start: 09-Dec-08								Page 5 of 27					Remaining Level of Effort				Actual Work				Mileston...			
Layout Name: RDC Monthly Schedule Update - R2		Project Finish: 28-Jun-13			Monthly Schedule Update					Date & Time: 22-Feb-10 15:11					Actual Level of Effort				Remaining Work				% Compl...			
Report Name: PMT Sch Rpt -- Segment Name and Update Date.pdf		Project Data Date: 30-Jan-10													Baseline				Baseline Milestone				Summary			

				Monthly Schedule Update						San Jose to Merced - JM																
										January 2010 Update																
Activity Name	Activity ID	Planned Start Date	Planned Finish Date	Planned Duration	Actual/Forecast Start Date	Actual/Forecast Finish Date	Remaining Duration	Physical % Complete																		
									2008		2009				2010				2011				2012			
									Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Define Initial Study Area (PR)	3050110PR	29-Jun-09	17-Aug-09	35	29-Jun-09 A	14-Aug-09 A	0	100%																		
Prepare Initial Draft Project Description (JS)	30501151JS	08-Dec-09	26-Jan-10	34	08-Dec-09 A	26-Feb-10	19	50%																		
Prepare Draft Project Description (PR)	30501151...	12-Feb-10	12-Mar-10	20	12-Feb-10	12-Mar-10	20	0%																		
PMT/Authority/FRA Review of Draft Project Description	30501152	22-Feb-10	26-Feb-10	5	22-Feb-10*	26-Feb-10	5	0%																		
Revise & Finalize Project Description (JS)	3050116JS	15-Mar-10	19-Mar-10	5	15-Mar-10	19-Mar-10	5	0%																		
Revise & Finalize Project Description (PR)	3050116PR	01-Mar-10	10-Mar-10	8	01-Mar-10	10-Mar-10	8	0%																		
3.6 Define Existing Transportation Conditions		30-Jun-09	19-Feb-10	163	30-Jun-09 A	19-Feb-10	15																			
3.6.1 Define Existing Transportation Conditions		30-Jun-09	19-Feb-10	163	30-Jun-09 A	19-Feb-10	15																			
Prepare Draft Existing Trans. Conditions Report (AR)	3060110AR	30-Jun-09	20-Oct-09	79	30-Jun-09 A	12-Feb-10	10	40%																		
Prepare Draft Existing Trans. Conditions Report (JS)	3060110JS	30-Jun-09	20-Oct-09	79	30-Jun-09 A	12-Feb-10	10	40%																		
Prepare Draft Existing Trans. Conditions Report (PR)	3060110PR	30-Jun-09	20-Oct-09	79	30-Jun-09 A	12-Feb-10	10	65%																		
PMT/Authority/FRA Review of Report (AR)	3060115AR	09-Feb-10	12-Feb-10	4	09-Feb-10	12-Feb-10	4	0%																		
PMT/Authority/FRA Review of Report (JS)	3060115JS	09-Feb-10	12-Feb-10	4	09-Feb-10	12-Feb-10	4	0%																		
PMT/Authority/FRA Review of Report (PR)	3060115PR	09-Feb-10	12-Feb-10	4	09-Feb-10	12-Feb-10	4	0%																		
Final Existing Transportation Conditions Report (AR)	3060120AR	16-Feb-10	19-Feb-10	4	16-Feb-10	19-Feb-10	4	0%																		
Final Existing Transportation Conditions Report (JS)	3060120JS	16-Feb-10	19-Feb-10	4	16-Feb-10	19-Feb-10	4	0%																		
Final Existing Transportation Conditions Report (PR)	3060120PR	16-Feb-10	19-Feb-10	4	16-Feb-10	19-Feb-10	4	0%																		
Task 4 - Preliminary Engineering		16-Nov-09	01-Mar-13	850	09-Dec-08 A	01-Mar-13	799																			
4.0.1 Engineering Management & Meetings FY 1/2		16-Nov-09	30-Jun-11	414	09-Dec-08 A	30-Jun-10	107																			
Engineering Management & Meetings FY 1/2 (PR)	4000110PR	09-Dec-09	30-Jun-11	396	09-Dec-08 A	30-Jun-10	106	65%																		
Hold 15% Design Kick-off Meeting	4000115	16-Nov-09	20-Nov-09	5	16-Nov-09 A	20-Nov-09 A	0	100%																		
Engineering Management & Meetings FY 3		01-Feb-10	10-Feb-11	263	01-Feb-10	10-Feb-11	263																			
Engineering Management & Meetings FY 3	4003110	01-Feb-10	10-Feb-11	261	01-Feb-10	10-Feb-11	261	0%																		
Engineering Management & Meetings FY 4		11-Feb-11	21-Feb-12	268	11-Feb-11	21-Feb-12	268																			
Engineering Management & Meetings FY 4	4004110	11-Feb-11	21-Feb-12	261	11-Feb-11	21-Feb-12	261	0%																		
Engineering Management & Meetings FY 5		22-Feb-12	01-Mar-13	268	22-Feb-12	01-Mar-13	268																			
Engineering Management & Meetings FY 5	4005110	22-Feb-12	01-Mar-13	260	22-Feb-12	01-Mar-13	260	0%																		
4.1 Infrastructure 15% Design		01-May-09	22-Jul-10	311	01-May-09 A	20-Jul-10	120																			
4.1.1 Survey, Mapping and Aerial photos		01-May-09	21-Oct-09	121	01-May-09 A	16-Oct-09 A	0																			
Survey, Mapping and Aerial Photos (PR)	4010110PR	01-May-09	21-Oct-09	121	01-May-09 A	16-Oct-09 A	0	100%																		
Survey, Mapping and Aerial Photos (TO)	4010110TO	01-May-09	21-Oct-09	121	01-May-09 A	16-Oct-09 A	0	100%																		
4.1.2 Alignments		26-May-09	25-Jun-10	277	25-May-09 A	25-Jun-10	104																			
Develop 2-4% Alignments and Typical Sections (HDR)	4010210HD	26-May-09	11-Nov-09	120	25-May-09 A	06-Nov-09 A	0	100%																		
Develop 2-4% Alignments and Typical Sections (PR)	4010210PR	26-May-09	11-Nov-09	120	25-May-09 A	06-Nov-09 A	0	100%																		
ID Limits of At-grade, Elevated, & Underground Structures	4010215	20-Jul-09	31-Jul-09	10	20-Jul-09 A	20-Nov-09 A	0	100%																		
ID ROW Limits for Each Alternative (including easements)	4010220	20-Jul-09	14-Aug-09	20	20-Jul-09 A	20-Nov-09 A	0	100%																		
Revised 2-4% Plans Based on AA Review	4010225	07-Dec-09	11-Dec-09	5	05-Nov-09 A	20-Nov-09 A	0	100%																		
APE Footprints	4010226	30-Nov-09	18-Dec-09	15	21-Dec-09 A	05-Feb-10	5	90%																		
Develop 15% Alignments and Typical Sections (HDR)	4010230HD	02-Nov-09	30-Dec-09	40	23-Nov-09 A	02-Apr-10	44	40%																		
Develop 15% Alignments and Typical Sections (PR)	4010230PR	21-Dec-09	17-Feb-10	40	23-Nov-09 A	02-Apr-10	44	40%																		
ID ROW Limits for Each Alternative (including easements	4010235PR	01-Mar-10	21-May-10	60	01-Mar-10*	21-May-10	60	0%																		
Submit 15% Plans for In-Progress EMT Review	4010240	28-May-10	11-Jun-10	10	28-May-10	11-Jun-10	10	0%																		
Revised 15% Plans Based on Review (PR)	4010245PR	28-May-10	25-Jun-10	20	28-May-10	25-Jun-10	20	0%																		
4.1.3 Temporary Construction Facilities		18-Jan-10	20-Jul-10	130	23-Nov-09 A	20-Jul-10	120																			
Draft Const. Methods/Staging Concepts w/Geographic Lir	4010325HD	18-Jan-10	17-May-10	85	21-Dec-09 A	28-May-10	84	15%																		
Draft Const. Methods/Staging Concepts w/Geographic Lir	4010325PR	18-Jan-10	15-Jun-10	105	23-Nov-09 A	19-Mar-10	34	5%																		
Project Name: California HSR - Pacheco Pass		Project Start: 09-Dec-08								Page 6 of 27																
Layout Name: RDC Monthly Schedule Update - R2		Project Finish: 28-Jun-13								Date & Time: 22-Feb-10 15:11																
Report Name: PMT Sch Rpt -- Segment Name and Update Date.pdf		Project Data Date: 30-Jan-10																								
						Monthly Schedule Update																				









				Monthly Schedule Update						San Jose to Merced - JM																
										January 2010 Update																
Activity Name	Activity ID	Planned Start Date	Planned Finish Date	Planned Duration	Actual/Forecast Start Date	Actual/Forecast Finish Date	Remaining Duration	Physical % Complete																		
									2008		2009				2010				2011				2012			
									Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
ID Parcels/Owners and Full/Partial Takes, Ease. Const/SI	4011310HD	19-Apr-10	14-May-10	20	19-Apr-10	14-May-10	20	0%																		
ID Parcels/Owners and Full/Partial Takes, Ease. Const/SI	4011310PR	29-Mar-10	30-Apr-10	25	29-Mar-10	30-Apr-10	25	0%																		
Prepare Preliminary ROW Requirements Report (AS)	4011315AS	08-Feb-10	05-Apr-10	40	08-Feb-10	05-Apr-10	40	0%																		
Prepare Preliminary ROW Requirements Report (HDR)	4011315HD	03-May-10	21-May-10	15	03-May-10	21-May-10	15	0%																		
Prepare Preliminary ROW Requirements Report (PR)	4011315PR	19-Apr-10	07-May-10	15	19-Apr-10	07-May-10	15	0%																		
In-Progress EMT Review of Preliminary ROW Requireme	4011320	24-May-10	07-Jun-10	10	24-May-10	07-Jun-10	10	0%																		
Revised ROW Requirements Report	4013325	08-Jun-10	21-Jun-10	10	08-Jun-10	21-Jun-10	10	0%																		
4.2 Systems 15%		26-Jan-10	30-Jun-10	111	23-Nov-09 A	21-Jun-10	100																			
4.2.1Traction Power		26-Jan-10	28-May-10	89	23-Nov-09 A	28-May-10	85																			
ID Site Locations, Access & Site Layouts (PR)	4020110PR	26-Jan-10	16-Mar-10	35	23-Nov-09 A	02-Apr-10	44	50%																		
In-Progress Review of 15% Substation Locations and Foc	4020125	19-Apr-10	30-Apr-10	10	19-Apr-10	30-Apr-10	10	0%																		
Revise 15% Substation Locations and Footprint (PR)	4020130PR	03-May-10	28-May-10	20	03-May-10	28-May-10	20	0%																		
4.2.2 PUC / Connections		05-Apr-10	21-Jun-10	55	05-Apr-10	21-Jun-10	55																			
ID Power Supply Points w/Utility Companies (PR)	4020210PR	05-Apr-10	21-Jun-10	55	05-Apr-10	21-Jun-10	55	0%																		
ID Facilities/Site Options for Power Connections to Subst:	4020215PR	05-Apr-10	16-Apr-10	10	05-Apr-10	16-Apr-10	10	0%																		
Prepare Traction Power Electrical Connection Plans (PR)	4020220PR	19-Apr-10	07-May-10	15	19-Apr-10	07-May-10	15	0%																		
In Progress EMT review	4020225	10-May-10	21-May-10	10	10-May-10	21-May-10	10	0%																		
Revise Plans (PR)	4020230PR	24-May-10	07-Jun-10	10	24-May-10	07-Jun-10	10	0%																		
Finalize Sites - Equip. Houses, Signal Houses, Troughs, \	4020235PR	10-May-10	14-May-10	5	10-May-10	14-May-10	5	0%																		
4.2.5 Trackside Services		21-Apr-10	30-Jun-10	50	23-Nov-09 A	14-May-10	75																			
ID Equip. Houses, Signal Houses, Troughs, Wayside Equip	4020510	21-Apr-10	30-Jun-10	50	23-Nov-09 A	14-May-10	74	5%																		
4.6 Maintenance 15%		01-Jul-09	22-Mar-10	183	01-Jul-09 A	22-Mar-10	36																			
4.6.2 Maintenance of Way (MOW)		01-Jul-09	22-Mar-10	183	01-Jul-09 A	22-Mar-10	36																			
ID MOW Activities & Access Requirements	4060210	01-Jul-09		0	01-Jul-09 A		0	100%																		
ID Sites for MOW Facilities (HDR)	4060215HD	01-Feb-10	05-Feb-10	5	23-Nov-09 A	01-Mar-10	20	75%																		
ID Sites for MOW Facilities (PR)	4060215PR	04-Jan-10	08-Jan-10	5	23-Nov-09 A	01-Mar-10	20	75%																		
Prepare MOW Facility Site Plans (HDR)	4060225HD	02-Mar-10	15-Mar-10	10	02-Mar-10	15-Mar-10	10	0%																		
Prepare MOW Facility Site Plans (PR)	4060225PR	09-Mar-10	22-Mar-10	10	09-Mar-10	22-Mar-10	10	0%																		
4.7 Capital Cost Estimates 15%		05-Apr-10	30-Jun-10	62	23-Nov-09 A	30-Jun-10	107																			
4.7.1 Infrastructure 15%		17-Jun-10	30-Jun-10	10	17-Jun-10	30-Jun-10	10																			
Infrastructure FY 1/2 (HDR)	4070110HD	17-Jun-10	17-Jun-10	0	17-Jun-10	17-Jun-10	0	0%																		
Infrastructure FY 1/2 (JA)	4070110JA	17-Jun-10	17-Jun-10	0	17-Jun-10	17-Jun-10	0	0%																		
Infrastructure FY 1/2 (PR)	4070110PR	17-Jun-10	30-Jun-10	10	17-Jun-10	30-Jun-10	10	0%																		
4.7.2 Systems		05-Apr-10	07-Jun-10	45	05-Apr-10	07-Jun-10	45																			
Systems	4070210	05-Apr-10	07-Jun-10	45	05-Apr-10	07-Jun-10	45	0%																		
4.7.3 Rolling Stock		28-Apr-10	30-Jun-10	45	23-Nov-09 A	30-Jun-10	107																			
Rolling stock	4070310	28-Apr-10	30-Jun-10	45	23-Nov-09 A	30-Jun-10	106	10%																		
4.8 Operating Costs 15%		12-May-10	16-Dec-10	152	23-Nov-09 A	30-Jun-10	107																			
4.8.1 Operations & Maintenance		12-May-10	16-Dec-10	152	23-Nov-09 A	30-Jun-10	107																			
Operations & Maintenance	4080110	12-May-10	16-Dec-10	152	23-Nov-09 A	02-Apr-10	44	10%																		
Facility Maintenance	4080120	12-May-10	16-Dec-10	152	23-Nov-09 A	30-Jun-10	106	10%																		
4.9 Design Submittals (Reviews) 15%		08-Mar-10	10-Dec-10	195	08-Mar-10	10-Dec-10	195																			
4.9.1 In-Progress Submittal: Alignment & Typ Sections		18-May-10	21-Jun-10	24	18-May-10	21-Jun-10	24																			
Footprint Drawings	4090105	18-May-10		0	18-May-10		0	0%																		
Alignment & Typical Sections In-Progress Submittal	4090110	08-Jun-10	21-Jun-10	10	08-Jun-10	21-Jun-10	10	0%																		
4.9.2 In-Progress Submittal: Structures, Viaducts & Tunnels		05-May-10	18-May-10	10	05-May-10	18-May-10	10																			
Project Name: California HSR - Pacheco Pass		Project Start: 09-Dec-08								Page 9 of 27																
Layout Name: RDC Monthly Schedule Update - R2		Project Finish: 28-Jun-13								Date & Time: 22-Feb-10 15:11																
Report Name: PMT Sch Rpt -- Segment Name and Update Date.pdf		Project Data Date: 30-Jan-10			Monthly Schedule Update																					

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									January 2010 Update																							
Activity Name	Activity ID	Planned Start Date	Planned Finish Date	Planned Duration	Actual/Forecast Start Date	Actual/Forecast Finish Date	Remaining Duration	Physical % Complete																								
									2008		2009				2010				2011				2012				2013					
									Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
Structures, Viaducts & Tunnels In-Progress Submittal	4090210	05-May-10	18-May-10	10	05-May-10	18-May-10	10	0%																								
4.9.3 In-Progress Submittal: Stations, Maintenance Facilities & Storage Track		08-Mar-10	14-May-10	50	08-Mar-10	14-May-10	50																									
Stations, Maintenance Facilities & Storage Track	4090310	08-Mar-10	14-May-10	50	08-Mar-10*	14-May-10	50	0%																								
4.9.4 In-Progress Submittal: Traction Power		17-May-10	28-May-10	10	17-May-10	28-May-10	10																									
Traction Power	4090410	17-May-10	28-May-10	10	17-May-10	28-May-10	10	0%																								
4.9.5 In-Progress Submittal: Util Relo, MOW Facilities, Tracks...		24-May-10	07-Jun-10	10	24-May-10	07-Jun-10	10																									
Utility Relocations, MOW Facilities, Trackside Access & C	4090510	24-May-10	07-Jun-10	10	24-May-10	07-Jun-10	10	0%																								
4.9.6 Draft 15% Design Submittal Full Package FY 3		21-Jul-10	15-Sep-10	40	21-Jul-10	15-Sep-10	40																									
15% Integration Review by EMT	4090610	21-Jul-10	17-Aug-10	20	21-Jul-10	17-Aug-10	20	0%																								
Prepare Draft 15% Design Submittal	4090615	18-Aug-10	15-Sep-10	20	18-Aug-10	15-Sep-10	20	0%																								
4.9.7 Final 15% Design Submittal Full Package FY 3		16-Sep-10	10-Dec-10	60	16-Sep-10	10-Dec-10	60																									
PMT/CHSRA/FRA Review Draft 15% Design	4090710	16-Sep-10	10-Nov-10	40	16-Sep-10	10-Nov-10	40	0%																								
Prepare Final 15% Design Package	4090715	11-Nov-10	10-Dec-10	20	11-Nov-10	10-Dec-10	20	0%																								
4.11 30% Design FY 3		14-Oct-10	21-Dec-11	307	14-Oct-10	21-Dec-11	307																									
Hold 30% Design - Kick-off meeting	4110010	13-Dec-10	13-Dec-10	1	13-Dec-10	13-Dec-10	1	0%																								
4.11.1 Survey and Mapping		14-Oct-10	08-Feb-11	81	14-Oct-10	08-Feb-11	81																									
Survey and Mapping	4110110	14-Oct-10	08-Feb-11	80	14-Oct-10	08-Feb-11	80	0%																								
4.11.2 Alignment (Plan & Profile)		14-Dec-10	26-Aug-11	183	14-Dec-10	26-Aug-11	183																									
Refine Horizontal, Vertical Cross sections Alignment - 30%	4110210	14-Dec-10	02-Jun-11	120	14-Dec-10	02-Jun-11	120	0%																								
Finalize Station Locations	4110215	03-Mar-11	02-Jun-11	65	03-Mar-11	02-Jun-11	65	0%																								
Refine Limits - At-grade, Elevated, Underground Struc - 3	4110220	17-Feb-11	05-Aug-11	120	17-Feb-11	05-Aug-11	120	0%																								
Refine Right-of-Way Limits (including easements) - 30%	4110225	19-May-11	05-Aug-11	55	19-May-11	05-Aug-11	55	0%																								
Submit Plans for 30% Integration Review	4110230	08-Aug-11	26-Aug-11	15	08-Aug-11	26-Aug-11	15	0%																								
4.11.3 Temporary Construction Facilities		14-Dec-10	01-Aug-11	164	14-Dec-10	01-Aug-11	164																									
Refine Temporary Construction Easements - 30%	4110310	14-Dec-10	02-Jun-11	120	14-Dec-10	02-Jun-11	120	0%																								
Finalize Const. Methods/Staging Concepts w/Limits - 30%	4110315	25-Jan-11	13-Jul-11	120	25-Jan-11*	13-Jul-11	120	0%																								
Submit Plans for 30% Integration Review	4110320	14-Jul-11	01-Aug-11	13	14-Jul-11	01-Aug-11	13	0%																								
4.11.4 Stations		14-Dec-10	25-May-11	116	14-Dec-10	25-May-11	116																									
Refine Plans: Func. Config. Massing, Aesthetic Treatmen	4110410	14-Dec-10	26-Jan-11	30	14-Dec-10	26-Jan-11	30	0%																								
PMT/Authority/FRA Review of Refined Station Plans	4110415	27-Jan-11	16-Feb-11	15	27-Jan-11	16-Feb-11	15	0%																								
Revise Station Plans	4110420	17-Feb-11	16-Mar-11	20	17-Feb-11	16-Mar-11	20	0%																								
Present Revised Station Plans to Stakeholders	4110425	17-Mar-11	13-Apr-11	20	17-Mar-11	13-Apr-11	20	0%																								
Hold Station Design Workshops	4110430	14-Apr-11	20-Apr-11	5	14-Apr-11	20-Apr-11	5	0%																								
Finalize Station Plans	4110435	21-Apr-11	25-May-11	25	21-Apr-11	25-May-11	25	0%																								
4.11.5 Bridges & Elevated Structures		14-Dec-10	24-Aug-11	181	14-Dec-10	24-Aug-11	181																									
Ravine Bridge/Structure Plans: Length, Width, Height, & I	4110510	14-Dec-10	16-Jun-11	130	14-Dec-10	16-Jun-11	130	0%																								
Finalize Bridge Types & Structures	4110515	14-Dec-10	16-Jun-11	130	14-Dec-10	16-Jun-11	130	0%																								
Finalize Transition Structures	4110520	14-Dec-10	16-Jun-11	130	14-Dec-10	16-Jun-11	130	0%																								
Refine/finalize Advanced Planning Studies	4110525	01-Feb-11	03-Aug-11	130	01-Feb-11*	03-Aug-11	130	0%																								
Finalize Scour Protection	4110530	08-Jun-11	03-Aug-11	40	08-Jun-11	03-Aug-11	40	0%																								
Submit for 30% Review of Structure Design & Tech Memo	4110535	04-Aug-11	24-Aug-11	15	04-Aug-11	24-Aug-11	15	0%																								
4.11.6 Tunnels		14-Dec-10	27-Jul-11	161	14-Dec-10	27-Jul-11	161																									
Refine Tunnel Horizontal & Vertical Alignments	4110610	14-Dec-10	16-Jun-11	130	14-Dec-10	16-Jun-11	130	0%																								
Refine/Expand Tunnel Cross Sections	4110615	14-Dec-10	16-Jun-11	130	14-Dec-10	16-Jun-11	130	0%																								
Finalize Mitigation & Design Requirements for Seismic	4110620	14-Dec-10	16-Jun-11	130	14-Dec-10	16-Jun-11	130	0%																								
Finalize Tunnel Lining Requirements	4110625	14-Dec-10	16-Jun-11	130	14-Dec-10	16-Jun-11	130	0%																								

Project Name:	California HSR - Pacheco Pass	Project Start:	09-Dec-08	Monthly Schedule Update	Page 10 of 27	<div><div></div> Remaining Level of Effort</div> <div><div></div> Actual Level of Effort</div> <div><div></div> Baseline</div> <div><div></div> Actual Work</div> <div><div></div> Remaining Work</div> <div><div></div> Baseline Milestone</div> <div><div></div> Mileston...</div> <div><div></div> % Compl...</div> <div><div></div> Summary</div>	
Layout Name:	RDC Monthly Schedule Update - R2	Project Finish:	28-Jun-13		Date & Time:		22-Feb-10 15:11
Report Name:	PMT Sch Rpt -- Segment Name and Update Date.pdf	Project Data Date:	30-Jan-10				



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									2008		2009				2010				2011				2012				2013					
									Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
Finalize Portal & Ventilation Structure Locations	4110630	04-Jan-11	06-Jul-11	130	04-Jan-11*	06-Jul-11	130	0%																								
Finalize Cross Passage Spacing & Locations	4110635	04-Jan-11	06-Jul-11	130	04-Jan-11	06-Jul-11	130	0%																								
Submit Plans for 30% Integration Review	4110640	07-Jul-11	27-Jul-11	15	07-Jul-11	27-Jul-11	15	0%																								
4.11.7 Buildings		14-Dec-10	25-May-11	116	14-Dec-10	25-May-11	116																									
Finalize Building Functions, Sites & Sizes	4110710	14-Dec-10	04-May-11	100	14-Dec-10	04-May-11	100	0%																								
Refine Parking & Site Configurations	4110715	14-Dec-10	04-May-11	100	14-Dec-10	04-May-11	100	0%																								
Finalize Access	4110720	13-Jan-11	04-May-11	80	13-Jan-11	04-May-11	80	0%																								
Finalize Utility Services Requirements	4110725	13-Jan-11	04-May-11	80	13-Jan-11	04-May-11	80	0%																								
Submit Plans for 30% Integration Review	4110730	05-May-11	25-May-11	15	05-May-11	25-May-11	15	0%																								
4.11.8 Grading		06-Jan-11	01-Jul-11	127	06-Jan-11	01-Jul-11	127																									
Finalize Cut & Fill Slope Catch Points on Alignment Plans	4110810	06-Jan-11	02-Jun-11	105	06-Jan-11	02-Jun-11	105	0%																								
Finalize Retaining Wall Locations, Lengths & Heights	4110815	06-Jan-11	02-Jun-11	105	06-Jan-11	02-Jun-11	105	0%																								
Finalize Retaining Wall Types (standard, MSE, tie-back, etc.)	4110820	06-Jan-11	02-Jun-11	105	06-Jan-11	02-Jun-11	105	0%																								
Finalize Construction Easement Requirements	4110825	18-Jan-11	14-Jun-11	105	18-Jan-11*	14-Jun-11	105	0%																								
Submit Plans for 30% Grading Requirements/Plans	4110830	15-Jun-11	01-Jul-11	13	15-Jun-11	01-Jul-11	13	0%																								
4.11.9 Hydrology/Hydraulics/Drainage		14-Dec-10	05-Aug-11	168	14-Dec-10	05-Aug-11	168																									
Finalize Methods & Design Practices	4110910	14-Dec-10	16-Jun-11	130	14-Dec-10	16-Jun-11	130	0%																								
Submit Plans for 30% Integration Review - Hydro, Floodp	4110915	17-Jun-11	08-Jul-11	15	17-Jun-11	08-Jul-11	15	0%																								
Revised Hydrology/Hydraulics, Floodplain, & Stormwater	4110920	11-Jul-11	05-Aug-11	20	11-Jul-11	05-Aug-11	20	0%																								
4.11.10 Utilities		14-Dec-10	01-Sep-11	187	14-Dec-10	01-Sep-11	187																									
Finalize Types & Locations for Utility Relocations	4111010	14-Dec-10	04-May-11	100	14-Dec-10	04-May-11	100	0%																								
Work w/Utilities to ID/Refine Relocation Plans/Responsibi	4111015	07-Apr-11	30-Jun-11	60	07-Apr-11	30-Jun-11	60	0%																								
Develop Utility Relocation Agreements	4111020	05-May-11	12-Aug-11	70	05-May-11	12-Aug-11	70	0%																								
Submit Plans for 30% Relocation Plans / Agreements	4111025	15-Aug-11	01-Sep-11	14	15-Aug-11	01-Sep-11	14	0%																								
4.11.11 Geotechnical		13-Dec-10	21-Dec-11	267	13-Dec-10	21-Dec-11	267																									
Geotechnical	4111110	13-Dec-10	21-Dec-11	261	13-Dec-10	21-Dec-11	261	0%																								
4.11.12 Seismic		13-Dec-10	21-Dec-11	267	13-Dec-10	21-Dec-11	267																									
Seismic	4111210	13-Dec-10	21-Dec-11	261	13-Dec-10	21-Dec-11	261	0%																								
4.11.13 Right-of-Way (ROW)		25-Jan-11	27-Jul-11	132	25-Jan-11	27-Jul-11	132																									
Finalize Right of Way Plans FY 3	4111310	25-Jan-11	27-Jul-11	130	25-Jan-11*	27-Jul-11	130	0%																								
4.11.14 Construction Cost Estimate		19-May-11	12-Aug-11	62	19-May-11	12-Aug-11	62																									
Finalize Quantities per Design Construction Cost Guidelin	4111410	19-May-11	12-Aug-11	60	19-May-11	12-Aug-11	60	0%																								
Construction Cost Estimate FY 4		15-Aug-11	21-Nov-11	71	15-Aug-11	21-Nov-11	71																									
Revised Cost Estimates	4114140	08-Nov-11	21-Nov-11	10	08-Nov-11	21-Nov-11	10	0%																								
Prepare Const Cost Est. per established cost categories	4114415	15-Aug-11	19-Sep-11	25	15-Aug-11	19-Sep-11	25	0%																								
Undertake Cost Risk Assessment - Develop Risk Register	4114420	06-Sep-11	26-Sep-11	15	06-Sep-11	26-Sep-11	15	0%																								
Develop Cost Risk Mitigation Plan	4114425	27-Sep-11	10-Oct-11	10	27-Sep-11	10-Oct-11	10	0%																								
Undertake Value Engineering	4114430	11-Oct-11	24-Oct-11	10	11-Oct-11	24-Oct-11	10	0%																								
PMT/Authority/FRA Review of Cost Est./Risk Mitigation P	4114435	25-Oct-11	07-Nov-11	10	25-Oct-11	07-Nov-11	10	0%																								
4.12 Systems 30%		14-Dec-10	17-Apr-12	350	14-Dec-10	17-Apr-12	350																									
4.12.1 Traction Power		14-Dec-10	03-Oct-11	209	14-Dec-10	03-Oct-11	209																									
Finalize Substation Site Locations, Access, & Parking	4120110	14-Dec-10	02-Jun-11	120	14-Dec-10	02-Jun-11	120	0%																								
Finalize Facilities for Power Between Substation & Railway	4120115	14-Dec-10	02-Jun-11	120	14-Dec-10	02-Jun-11	120	0%																								
Coordinate CHSTP Load Requirements with CPUC	4120120	03-Jun-11	03-Oct-11	85	03-Jun-11	03-Oct-11	85	0%																								
4.12.2 PUC/ Connections		14-Dec-10	30-Jun-11	142	14-Dec-10	30-Jun-11	142																									
Finalize Power Supply Points w/Utility Companies	4120210	14-Dec-10	30-Jun-11	140	14-Dec-10	30-Jun-11	140	0%																								

Project Name:	California HSR - Pacheco Pass	Project Start:	09-Dec-08	Monthly Schedule Update	Page 11 of 27	<div><div></div> Remaining Level of Effort</div> <div><div></div> Actual Level of Effort</div> <div><div></div> Baseline</div> <div><div></div> Actual Work</div> <div><div></div> Remaining Work</div> <div><div></div> Baseline Milestone</div> <div><div></div> Mileston...</div> <div><div></div> % Compl...</div> <div><div></div> Summary</div>	
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Report Name:	PMT Sch Rpt -- Segment Name and Update Date.pdf	Project Data Date:	30-Jan-10				

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									2008		2009				2010				2011				2012			
									Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Finalize Facilities/Sites for Power Line Connections	4120215	14-Dec-10	30-Jun-11	140	14-Dec-10	30-Jun-11	140	0%																		
4.12.3 Overhead Contact System (OCS)		14-Dec-10	12-Jul-11	150	14-Dec-10	12-Jul-11	150																			
Overhead Conatct System (OCS)	4120310	14-Dec-10	12-Jul-11	147	14-Dec-10	12-Jul-11	147	0%																		
Overhead Contact System (OCS) FY 4		13-Jul-11	17-Apr-12	200	13-Jul-11	17-Apr-12	200																			
Overhead Conatct System (OCS) FY 4	4124110	13-Jul-11	17-Apr-12	195	13-Jul-11	17-Apr-12	195	0%																		
4.12.4 Communications		14-Dec-10	16-Jun-11	132	14-Dec-10	16-Jun-11	132																			
Finalize Locations, Sites, & Access for Communications F	4120410	14-Dec-10	16-Jun-11	130	14-Dec-10	16-Jun-11	130	0%																		
4.12.5 Trackside Services		14-Dec-10	19-Sep-11	199	14-Dec-10	19-Sep-11	199																			
Trackside Services	4120510	14-Dec-10	19-Sep-11	195	14-Dec-10	19-Sep-11	195	0%																		
4.16 Maintenance 30%		14-Dec-10	19-Sep-11	199	14-Dec-10	19-Sep-11	199																			
4.16.1 Rolling Stock		14-Dec-10	19-Sep-11	199	14-Dec-10	19-Sep-11	199																			
Rolling stock	4160110	14-Dec-10	19-Sep-11	195	14-Dec-10	19-Sep-11	195	0%																		
4.16.2 Maintenance of Way (MOW)		14-Dec-10	16-Jun-11	132	14-Dec-10	16-Jun-11	132																			
Maintenance of way - Finalize Functions, Locations, Sites	4160210	14-Dec-10	16-Jun-11	130	14-Dec-10	16-Jun-11	130	0%																		
4.17 Capital Cost Estimates 30%		14-Dec-10	19-Sep-11	199	14-Dec-10	19-Sep-11	199																			
4.17.1 Infrastructure		15-Aug-11	19-Sep-11	26	15-Aug-11	19-Sep-11	26																			
30% Estimate	4170110	15-Aug-11	19-Sep-11	25	15-Aug-11	19-Sep-11	25	0%																		
4.17.2 Systems		01-Jul-11	26-Aug-11	41	01-Jul-11	26-Aug-11	41																			
30% Estimate	4170210	01-Jul-11	26-Aug-11	40	01-Jul-11	26-Aug-11	40	0%																		
4.17.3 Rolling stock		14-Dec-10	19-Sep-11	199	14-Dec-10	19-Sep-11	199																			
Rolling stock	4170310	14-Dec-10	19-Sep-11	195	14-Dec-10	19-Sep-11	195	0%																		
4.17.4 (TBD) Facilities		05-May-11	30-Jun-11	41	05-May-11	30-Jun-11	41																			
30% Estimate	4170410	05-May-11	30-Jun-11	40	05-May-11	30-Jun-11	40	0%																		
4.18 Operating Costs 30%		14-Dec-10	19-Sep-11	199	14-Dec-10	19-Sep-11	199																			
4.18.1 Operation & Maintenance		14-Dec-10	19-Sep-11	199	14-Dec-10	19-Sep-11	199																			
Operations & Maintenace	4180110	14-Dec-10	19-Sep-11	195	14-Dec-10	19-Sep-11	195	0%																		
4.18.2 Facility Maintenance		14-Dec-10	19-Sep-11	199	14-Dec-10	19-Sep-11	199																			
Facility Maintenance	4180210	14-Dec-10	19-Sep-11	195	14-Dec-10	19-Sep-11	195	0%																		
4.19 30% Design Submittal		08-Nov-11	02-Mar-12	84	08-Nov-11	02-Mar-12	84																			
4.19.6 Draft 30% Design Submittal Full Package		08-Nov-11	06-Jan-12	44	08-Nov-11	06-Jan-12	44																			
30% Integration Review by EMT	4190610	08-Nov-11	07-Dec-11	20	08-Nov-11	07-Dec-11	20	0%																		
Prepare Draft 30% Design Submittal	4190615	08-Dec-11	06-Jan-12	20	08-Dec-11	06-Jan-12	20	0%																		
4.19.7 Final 30% Design Submittal Full Package		09-Jan-12	02-Mar-12	40	09-Jan-12	02-Mar-12	40																			
PMT/CHSRA/FRA Review Draft 30% Design	4190710	09-Jan-12	03-Feb-12	20	09-Jan-12	03-Feb-12	20	0%																		
Prepare Final 30% Design Package	4190715	06-Feb-12	02-Mar-12	20	06-Feb-12	02-Mar-12	20	0%																		
5.1 Environmental Task Management		05-Jan-09	27-Jan-12	787	09-Dec-08 A	27-Jan-12	514																			
5.1.1 Environmental Task Management		05-Jan-09	14-Jul-10	389	09-Dec-08 A	30-Jun-10	107																			
Environmental Task Management in FY 1/2 (JS)	5010105JS	05-Jan-09	30-Jun-10	379	09-Dec-08 A	01-Feb-10	0	66%																		
Environmental Alternatives Analysis FY 1/2 (JS)	5010110JS	05-Jan-09	14-Jul-10	388	05-Jan-09 A	30-Jun-10	106	66%																		
Environmental Task Management - FY 3		01-Feb-10	30-Jun-11	363	01-Feb-10	30-Jun-11	363																			
Environmental Task Management in FY 3	5013105	01-Feb-10	30-Jun-11	360	01-Feb-10	30-Jun-11	360	0%																		
Environmental Alternatives Analysis FY 3	5013110	01-Jul-10	09-Dec-10	112	01-Jul-10	09-Dec-10*	112	0%																		
Environmental Task Management - FY 4		01-Jul-11	27-Jan-12	151	01-Jul-11	27-Jan-12	151																			
Environmental Task Management in FY 4	5014105	01-Jul-11	27-Jan-12	145	01-Jul-11	27-Jan-12*	145	0%																		
5.2 Technical Reports (Study)		03-Jun-09	28-Jan-11	421	03-Jun-09 A	28-Jan-11	254																			
Project Name: California HSR - Pacheco Pass		Project Start: 09-Dec-08								Page 12 of 27																
Layout Name: RDC Monthly Schedule Update - R2		Project Finish: 28-Jun-13																								
Report Name: PMT Sch Rpt -- Segment Name and Update Date.pdf		Project Data Date: 30-Jan-10								Date & Time: 22-Feb-10 15:11																
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									2008		2009				2010				2011				2012				2013			
									Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
5.2.1 Transportation - Traffic, Transit, Circulation, Parking an...		03-Jun-09	17-Aug-10	307	03-Jun-09 A	17-Aug-10	140																							
Review Environmental Methodologies (PR)	5020101PR	03-Jun-09	27-Jul-09	38	03-Jun-09 A	24-Jul-09 A	0	100%																						
Review Mitigation in Previous HST CEQA Findings/NEPA	5020102PR	03-Jun-09	27-Jul-09	38	03-Jun-09 A	24-Jul-09 A	0	100%																						
ID Existing Traffic, Intersections, Highway Links, Cordon I	5020104PR	17-Aug-09	04-Feb-10	119	17-Aug-09 A	18-Feb-10	13	35%																						
Define Study Area	5020108	13-Jul-09	24-Jul-09	10	17-Aug-09 A	01-Feb-10	1	50%																						
ID Proposed Transportation Improvements by Others (PR)	5020112PR	02-Feb-10	04-May-10	65	02-Feb-10	04-May-10	65	0%																						
ID Freight and Goods (PR)	5020116PR	21-Dec-09	24-Mar-10	65	21-Dec-09 A	19-Mar-10	34	18%																						
ID Existing Transit/Air Services (PR)	5020120PR	21-Dec-09	24-Mar-10	65	21-Dec-09 A	19-Mar-10	34	40%																						
ID Non-Motorized (PR)	5020124PR	02-Feb-10	04-May-10	65	02-Feb-10	04-May-10	65	0%																						
ID Existing Parking Conditions (PR)	5020128PR	21-Dec-09	10-Mar-10	55	21-Dec-09 A	05-Mar-10	24	15%																						
ID Plans/Policies (PR)	5020132PR	19-Oct-09	30-Dec-09	50	19-Oct-09 A	05-Mar-10	24	25%																						
Define Significant Criteria (PR)	5020136PR	21-Dec-09	12-Jan-10	15	21-Dec-09 A	18-Feb-10	13	30%																						
PMT Identify LOS Impact Standard	5020140	02-Feb-10		0	02-Feb-10		0	0%																						
PMT Provide Station Ridership Projections (Mode of Arriv	5020144	01-Feb-10		0	01-Feb-10		0	0%																						
PMT Provide Parking Demand for Stations	5020148	08-Mar-10		0	08-Mar-10		0	0%																						
Obtain Local Transportation/Traffic Model (PR)	5020152PR	22-Jan-10	11-Feb-10	15	22-Jan-10 A	18-Feb-10	13	5%																						
ID Traffic/Intersection/Link Impacts (PR)	5020156PR	26-May-10	15-Jul-10	35	26-May-10	15-Jul-10	35	0%																						
ID Parking Impacts (PR)	5020160PR	08-Mar-10	30-Apr-10	40	08-Mar-10	30-Apr-10	40	0%																						
ID Construction Impacts (PR)	5020164PR	03-May-10	06-Jul-10	45	03-May-10	06-Jul-10	45	0%																						
Define Mitigation Measures/Design Practices (PR)	5020168PR	07-Jul-10	27-Jul-10	15	07-Jul-10	27-Jul-10	15	0%																						
Confirm Intersection LOS After Mitigation (PR)	5020172PR	28-Jul-10	17-Aug-10	15	28-Jul-10	17-Aug-10	15	0%																						
Prepare Draft Baseline/Affected Environment Section (PR)	5030110PR	24-Mar-10	16-Jun-10	60	24-Mar-10	16-Jun-10	60	0%																						
Transportation - Traffic, Transit, Circulation, Parking and Fre...		18-Aug-10	10-Nov-10	60	18-Aug-10	10-Nov-10	60																							
Prepare Working Draft Report FY 3	5020176	18-Aug-10	15-Sep-10	20	18-Aug-10	15-Sep-10	20	0%																						
PMT Screencheck for Completeness & Consistency FY 3	5020180	16-Sep-10	22-Sep-10	5	16-Sep-10	22-Sep-10	5	0%																						
Prepare Draft Technical Report FY 3	5020184	23-Sep-10	13-Oct-10	15	23-Sep-10	13-Oct-10	15	0%																						
PMT/Authority/FRA Review of Technical Report FY 3	5020188	14-Oct-10	27-Oct-10	10	14-Oct-10	27-Oct-10	10	0%																						
Revised Technical Report FY 3	5020192	28-Oct-10	10-Nov-10	10	28-Oct-10	10-Nov-10	10	0%																						
5.2.2 Air Quality FY 1/2		17-Aug-09	30-Apr-10	180	17-Aug-09 A	30-Apr-10	65																							
Define Study Area (JS)	5020204JS	17-Aug-09	19-Oct-09	45	17-Aug-09 A	13-Nov-09 A	0	100%																						
ID Existing Conditions	5020208JS	19-Oct-09	13-Nov-09	20	19-Oct-09 A	01-Feb-10	0	5%																						
ID Sensitive Receptors (station location/intersections nee	5020216	01-Feb-10	22-Feb-10	15	01-Feb-10	22-Feb-10	15	0%																						
PMT Summarizes Ambient Air Quality Standards/Attainm	5020220	01-Feb-10		0	01-Feb-10*		0	0%																						
PMT Describes Conformity	5020224	01-Feb-10		0	01-Feb-10*		0	0%																						
PMT Summarizes Greenhouse Gases/Global Warming Ei	5020236	01-Feb-10		0	01-Feb-10*		0	0%																						
Define Regulatory Setting/Significance Criteria	5020240	30-Nov-09	19-Jan-10	35	30-Nov-09 A	22-Mar-10	35	60%																						
Prepare Draft Baseline/Affected Environment Section (JS)	5030210JS	21-Dec-09	24-Feb-10	45	21-Dec-09 A	23-Apr-10	59	50%																						
PMT/Authority/FRA Review of Section (JS)	5030220JS	19-Apr-10	30-Apr-10	10	19-Apr-10	30-Apr-10	10	0%																						
Air Quality FY 3		01-Feb-10	10-Nov-10	200	01-Feb-10	10-Nov-10	200																							
Obtain VMT Projections by Link (with & without Project) F	5020246	01-Feb-10	02-Mar-10	21	01-Feb-10	02-Mar-10	21	0%																						
ID Operational Impacts (need traffic data)	5020248	01-Feb-10	01-Mar-10	20	01-Feb-10	01-Mar-10	20	0%																						
ID Construction Impacts	5020260	21-Jul-10	17-Aug-10	20	21-Jul-10	17-Aug-10	20	0%																						
Define Mitigation Measures/Design Practices	5020264	18-Aug-10	08-Sep-10	15	18-Aug-10	08-Sep-10	15	0%																						
Prepare Working Draft Report	5020268	09-Sep-10	15-Sep-10	5	09-Sep-10	15-Sep-10	5	0%																						
PMT Screencheck for Completeness & Consistency	5020272	23-Sep-10	29-Sep-10	5	23-Sep-10	29-Sep-10	5	0%																						
Prepare Draft Technical Report	5020276	30-Sep-10	13-Oct-10	10	30-Sep-10	13-Oct-10	10	0%																						
PMT/Authority/FRA Review of Technical Report	5020280	14-Oct-10	27-Oct-10	10	14-Oct-10	27-Oct-10	10	0%																						
Project Name: California HSR - Pacheco Pass		Project Start: 09-Dec-08								Page 13 of 27																				
Layout Name: RDC Monthly Schedule Update - R2		Project Finish: 28-Jun-13								Date & Time: 22-Feb-10 15:11																				
Report Name: PMT Sch Rpt -- Segment Name and Update Date.pdf		Project Data Date: 30-Jan-10			Monthly Schedule Update																									





				Monthly Schedule Update						San Jose to Merced - JM																
										January 2010 Update																
Activity Name	Activity ID	Planned Start Date	Planned Finish Date	Planned Duration	Actual/Forecast Start Date	Actual/Forecast Finish Date	Remaining Duration	Physical % Complete																		
									2008		2009			2010				2011				2012				2013
									Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Hydrology & Water Quality FY 3	ID Regional / Study Area Hydrology/Water Quality	5020520	19-Oct-09	15-Dec-09	40	19-Oct-09 A	01-Feb-10	0	10%																	
	Obtain/Review Basin Plans	5020530	16-Nov-09	15-Dec-09	20	16-Nov-09 A	01-Feb-10	0	10%																	
	Define Regulatory Setting/Significance Criteria	5020535	28-Dec-09	25-Jan-10	20	28-Dec-09 A	22-Feb-10	15	20%																	
	ID Impacts to Water Bodies/Streams/Basin Plans/Water C	5020540	03-May-10	28-Jun-10	40	03-May-10	28-Jun-10	40	0%																	
	ID Construction Impacts	5020545	03-May-10	28-Jun-10	40	03-May-10	28-Jun-10	40	0%																	
	Define Mitigation Measures/Design Practices (JS)	5020550JS	22-Jun-10	20-Jul-10	20	22-Jun-10	20-Jul-10	20	0%																	
	Prepare Working Draft Report (JS)	5020560JS	07-Jul-10	03-Aug-10	20	07-Jul-10	03-Aug-10	20	0%																	
	Compare Against 15% Plans (JS)	5020562JS	04-Aug-10	10-Aug-10	5	04-Aug-10	10-Aug-10	5	0%																	
	Revise Draft Tech Reports as Needed (JS)	5020564JS	11-Aug-10	17-Aug-10	5	11-Aug-10	17-Aug-10	5	0%																	
	PMT Screencheck for Completeness & Consistency (JS)	5020565JS	18-Aug-10	24-Aug-10	5	18-Aug-10	24-Aug-10	5	0%																	
	Prepare Draft Technical Report (JS)	5020570JS	25-Aug-10	22-Sep-10	20	25-Aug-10	22-Sep-10	20	0%																	
	PMT/Authority/FRA Review of Technical Report (JS)	5020575JS	23-Sep-10	06-Oct-10	10	23-Sep-10	06-Oct-10	10	0%																	
	Prepare Draft Baseline/Affected Environment Section (JS)	5030710JS	25-Jan-10	22-Feb-10	20	11-Jan-10 A	22-Feb-10	15	60%																	
	PMT/Authority/FRA Review of Section (JS)	5030715JS	23-Feb-10	08-Mar-10	10	23-Feb-10	08-Mar-10	10	0%																	
	Hydrology & Water Quality FY 3		07-Oct-10	20-Oct-10	10	07-Oct-10	20-Oct-10	10																		
	Revised Technical Report	5023580	07-Oct-10	20-Oct-10	10	07-Oct-10	20-Oct-10	10	0%																	
	5.2.6 Geology, Soils, Seismicity		17-Aug-09	16-Sep-10	276	17-Aug-09 A	16-Sep-10	161																		
	Define Study Area (AM)	5020605AM	17-Aug-09	19-Oct-09	45	17-Aug-09 A	01-Feb-10	1	2%																	
	Define Study Area (GT)	5020605GT	17-Aug-09	19-Oct-09	45	17-Aug-09 A	01-Feb-10	1	2%																	
	ID Fault Crossings/Seismic Hazards	5020610	02-Feb-10	16-Mar-10	30	02-Feb-10	16-Mar-10	30	0%																	
	ID Slope Stability	5020615	02-Feb-10	09-Mar-10	25	02-Feb-10	09-Mar-10	25	0%																	
	ID Oil, Gas, & Geothermal Fields	5020620	02-Feb-10	09-Mar-10	25	02-Feb-10	09-Mar-10	25	0%																	
	ID Mineral Resources	5020625	02-Feb-10	09-Mar-10	25	02-Feb-10	09-Mar-10	25	0%																	
	ID Paleontological Resources	5020630	02-Feb-10	30-Mar-10	40	02-Feb-10	30-Mar-10	40	0%																	
	Define Regulatory Setting/Significant Criteria (AM)	5020635AM	01-Feb-10	12-Feb-10	10	01-Feb-10	12-Feb-10	10	0%																	
	Define Regulatory Setting/Significant Criteria (GT)	5020635GT	01-Feb-10	12-Feb-10	10	01-Feb-10	12-Feb-10	10	0%																	
	ID Potential Seismic Impacts & Design Criteria	5020640	12-Apr-10	21-May-10	30	12-Apr-10	21-May-10	30	0%																	
	ID Potential Slope Stability Impacts & Design Criteria	5020645	03-May-10	21-Jun-10	35	03-May-10	21-Jun-10	35	0%																	
	ID Impacts to Oil, Gas, & Geothermal Fields	5020650	26-Apr-10	21-May-10	20	26-Apr-10	21-May-10	20	0%																	
	ID Impacts to Mineral Resources	5020655	03-May-10	28-May-10	20	03-May-10	28-May-10	20	0%																	
	ID Construction Impacts	5020660	03-May-10	28-May-10	20	03-May-10	28-May-10	20	0%																	
	Define Mitigation Measures/Design Practices (AM)	5020665AM	15-Jun-10	06-Jul-10	15	15-Jun-10	06-Jul-10	15	0%																	
	Define Mitigation Measures/Design Practices (GT)	5020665GT	15-Jun-10	06-Jul-10	15	15-Jun-10	06-Jul-10	15	0%																	
	Prepare Working Draft Report (AM)	5020670AM	15-Jun-10	22-Jul-10	27	15-Jun-10	22-Jul-10	27	0%																	
	Prepare Working Draft Report (GT)	5020670GT	15-Jun-10	22-Jul-10	27	15-Jun-10	22-Jul-10	27	0%																	
Compare Against 15% Plans (AM)	5020675AM	23-Jul-10	29-Jul-10	5	23-Jul-10	29-Jul-10	5	0%																		
Compare Against 15% Plans (GT)	5020675GT	23-Jul-10	29-Jul-10	5	23-Jul-10	29-Jul-10	5	0%																		
Revise Draft Technical Report as Necessary (AM)	5020680AM	30-Jul-10	03-Aug-10	3	30-Jul-10	03-Aug-10	3	0%																		
Revise Draft Technical Report as Necessary (GT)	5020680GT	30-Jul-10	03-Aug-10	3	30-Jul-10	03-Aug-10	3	0%																		
PMT Screencheck for Completeness & Consistency (AM)	5020685AM	04-Aug-10	10-Aug-10	5	04-Aug-10	10-Aug-10	5	0%																		
PMT Screencheck for Completeness & Consistency (GT)	5020685GT	04-Aug-10	10-Aug-10	5	04-Aug-10	10-Aug-10	5	0%																		
Prepare Draft Technical Report (AM)	5020690AM	11-Aug-10	24-Aug-10	10	11-Aug-10	24-Aug-10	10	0%																		
Prepare Draft Technical Report (GT)	5020690GT	11-Aug-10	24-Aug-10	10	11-Aug-10	24-Aug-10	10	0%																		
PMT/Authority/FRA Review of Technical Report (AM)	5020692AM	25-Aug-10	03-Sep-10	8	25-Aug-10	03-Sep-10	8	0%																		
PMT/Authority/FRA Review of Technical Report (GT)	5020692GT	25-Aug-10	03-Sep-10	8	25-Aug-10	03-Sep-10	8	0%																		
Revised Technical Report (AM)	5020695AM	07-Sep-10	16-Sep-10	8	07-Sep-10	16-Sep-10	8	0%																		
Revised Technical Report (GT)	5020695GT	07-Sep-10	16-Sep-10	8	07-Sep-10	16-Sep-10	8	0%																		
Project Name: California HSR - Pacheco Pass		Project Start: 09-Dec-08								Page 15 of 27				Remaining Level of Effort				Actual Work				Milestone...				
Layout Name: RDC Monthly Schedule Update - R2		Project Finish: 28-Jun-13												Actual Level of Effort				Remaining Work				% Compl...				
Report Name: PMT Sch Rpt -- Segment Name and Update Date.pdf		Project Data Date: 30-Jan-10												Baseline				Baseline Milestone				Summary				

				Monthly Schedule Update						San Jose to Merced - JM																
										January 2010 Update																
Activity Name	Activity ID	Planned Start Date	Planned Finish Date	Planned Duration	Actual/Forecast Start Date	Actual/Forecast Finish Date	Remaining Duration	Physical % Complete																		
									2008		2009				2010				2011				2012			
									Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Prepare Draft Baseline/Affected Environment Section (PR)	5030810PR	10-Mar-10	30-Mar-10	15	10-Mar-10	30-Mar-10	15	0%																		
PMT/Authority/FRA Review of Section (PR)	5030815PR	31-Mar-10	09-Apr-10	8	31-Mar-10	09-Apr-10	8	0%																		
5.2.7 Hazardous Wastes & Materials FY 1/2		17-Aug-09	11-Oct-10	293	17-Aug-09 A	11-Oct-10	178																			
Define Study Area (ERM)	5020710ER	17-Aug-09	19-Oct-09	45	17-Aug-09 A	01-Feb-10	1	2%																		
ID RCRA, CERCLA, Superfund Sites	5020715	02-Feb-10	25-May-10	80	02-Feb-10	25-May-10	80	0%																		
Define Regulatory Setting/Significance Criteria (ERM)	5020720ER	02-Feb-10	09-Mar-10	25	02-Feb-10	09-Mar-10	25	0%																		
Define Hazardous Waste Generation from Project (ERM)	5020725ER	15-Jun-10	13-Jul-10	20	15-Jun-10	13-Jul-10	20	0%																		
ID Impacts to/from RCRA, CERCLA, Superfund Sites	5020730	18-Jun-10	13-Aug-10	40	18-Jun-10	13-Aug-10	40	0%																		
ID Impacts from Lead Based Paint	5020735	15-Jun-10	06-Jul-10	15	15-Jun-10	06-Jul-10	15	0%																		
ID Impacts from Asbestos	5020740	15-Jun-10	06-Jul-10	15	15-Jun-10	06-Jul-10	15	0%																		
ID Construction Impacts	5020745	22-Jun-10	03-Aug-10	30	22-Jun-10	03-Aug-10	30	0%																		
Define Mitigation Measures/Design Practices (ERM)	5020750ER	26-Jul-10	20-Aug-10	20	26-Jul-10	20-Aug-10	20	0%																		
Prepare Working Draft Report (ERM)	5020755ER	02-Aug-10	03-Sep-10	25	02-Aug-10	03-Sep-10	25	0%																		
Compare Against 15% Plans (ERM)	5020760ER	07-Sep-10	13-Sep-10	5	07-Sep-10	13-Sep-10	5	0%																		
Revise Draft Technical Report as Necessary (ERM)	5020765ER	14-Sep-10	17-Sep-10	4	14-Sep-10	17-Sep-10	4	0%																		
PMT Screencheck for Completeness & Consistency (ERM)	5020770ER	20-Sep-10	29-Sep-10	8	20-Sep-10	29-Sep-10	8	0%																		
Prepare Draft Technical Report FY (ERM)	5020775ER	30-Sep-10	11-Oct-10	8	30-Sep-10	11-Oct-10	8	0%																		
Prepare Draft Baseline/Affected Environment Section	5030910	28-Apr-10	30-Jun-10	45	28-Apr-10	30-Jun-10	45	0%																		
PMT/Authority/FRA Review of Section	5030915	01-Jul-10	13-Jul-10	8	01-Jul-10	13-Jul-10	8	0%																		
Hazardous Wastes & Materials FY 3		12-Oct-10	02-Nov-10	16	12-Oct-10	02-Nov-10	16																			
PMT/Authority/FRA Review of Technical Report	5023780	12-Oct-10	21-Oct-10	8	12-Oct-10	21-Oct-10	8	0%																		
Revised Technical Report	5023785	22-Oct-10	02-Nov-10	8	22-Oct-10	02-Nov-10	8	0%																		
5.2.8 Community Impact Assessment Report		17-Aug-09	11-Oct-10	293	17-Aug-09 A	11-Oct-10	178																			
Define Study Area (PR)	5020810PR	17-Aug-09	19-Oct-09	45	17-Aug-09 A	01-Feb-10	1	10%																		
Obtain Existing Census Data	5020815	02-Feb-10	02-Mar-10	20	02-Feb-10	02-Mar-10	20	0%																		
ID Social Setting, Housing/Business, Economic, Fiscal &	5020820	02-Feb-10	27-Apr-10	60	02-Feb-10	27-Apr-10	60	0%																		
Define Regulatory Setting/Significant Criteria (PR)	5020835PR	02-Feb-10	23-Feb-10	15	02-Feb-10	23-Feb-10	15	0%																		
ID Community/Neighborhood/Cohesion Impacts	5020840	17-May-10	13-Jul-10	40	17-May-10	13-Jul-10	40	0%																		
ID Environmental Justice Impacts	5020845	17-May-10	13-Jul-10	40	17-May-10	13-Jul-10	40	0%																		
ID Community Facility/Parkland Impacts	5020850	17-May-10	13-Jul-10	40	17-May-10	13-Jul-10	40	0%																		
Define Mitigation Measures/Design Practices (PR)	5020855PR	14-Jul-10	03-Aug-10	15	14-Jul-10	03-Aug-10	15	0%																		
Prepare Working Draft Report (PR)	5020860PR	21-Jul-10	31-Aug-10	30	21-Jul-10	31-Aug-10	30	0%																		
Compare Against 15% Plans	5020865	01-Sep-10	07-Sep-10	4	01-Sep-10	07-Sep-10	4	0%																		
Revise Draft Technical Report as Necessary (PR)	5020870PR	08-Sep-10	13-Sep-10	4	08-Sep-10	13-Sep-10	4	0%																		
PMT Screencheck for Completeness & Consistency (PR)	5020875PR	14-Sep-10	20-Sep-10	5	14-Sep-10	20-Sep-10	5	0%																		
Prepare Draft Technical Report (PR)	5020880PR	21-Sep-10	11-Oct-10	15	21-Sep-10	11-Oct-10	15	0%																		
Prepare Draft Baseline/Affected Environment Section (PR)	5031110PR	31-Mar-10	02-Jun-10	45	31-Mar-10	02-Jun-10	45	0%																		



				Monthly Schedule Update						San Jose to Merced - JM																	
										January 2010 Update																	
Activity Name	Activity ID	Planned Start Date	Planned Finish Date	Planned Duration	Actual/Forecast Start Date	Actual/Forecast Finish Date	Remaining Duration	Physical % Complete																			
									2008		2009				2010				2011				2012				2013
									Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
Establish/Photograph Visual Typologies	5021015	02-Feb-10	02-Mar-10	20	02-Feb-10	02-Mar-10	20	0%																			
Define Significance Criteria	5021020	02-Feb-10	23-Feb-10	15	02-Feb-10	23-Feb-10	15	0%																			
Prepare Visual Simulations for Each Typologies	5021025	17-May-10	28-Jun-10	30	17-May-10	28-Jun-10	30	0%																			
ID/Describe Visual Impacts	5021030	12-May-10	08-Jul-10	40	12-May-10	08-Jul-10	40	0%																			
ID Construction Impacts	5021035	12-May-10	30-Jun-10	35	12-May-10	30-Jun-10	35	0%																			
Define Mitigation Measures/Design Practices	5021040	09-Jul-10	05-Aug-10	20	09-Jul-10	05-Aug-10	20	0%																			
Prepare Working Draft Report (AR)	5021045AR	23-Jul-10	02-Sep-10	30	23-Jul-10	02-Sep-10	30	0%																			
PMT Screencheck for Completeness & Consistency	5021050	03-Sep-10	10-Sep-10	5	03-Sep-10	10-Sep-10	5	0%																			
Prepare Draft Technical Report (AR)	5021055AR	13-Sep-10	08-Oct-10	20	13-Sep-10	08-Oct-10	20	0%																			
Prepare Draft Baseline/Affected Environment Section	5031510	03-Mar-10	27-Apr-10	40	03-Mar-10	27-Apr-10	40	0%																			
PMT/Authority/FRA Review of Section	5031515	28-Apr-10	11-May-10	10	28-Apr-10	11-May-10	10	0%																			
Aesthetics & Visual Quality FY 3		11-Oct-10	05-Nov-10	20	11-Oct-10	05-Nov-10	20																				
PMT/Authority/FRA Review of Technical Report	5023660	11-Oct-10	22-Oct-10	10	11-Oct-10	22-Oct-10	10	0%																			
Revised Technical Report	5023665	25-Oct-10	05-Nov-10	10	25-Oct-10	05-Nov-10	10	0%																			
5.2.11 Cultural Resources (ASR, HASR, other) FY 1/2		17-Aug-09	04-Oct-10	288	17-Aug-09 A	04-Oct-10	173																				
Establish Area of Potential Effect (APE) Boundary Guideli	5021110JS	17-Aug-09	19-Oct-09	45	17-Aug-09 A	19-Feb-10	14	90%																			
Map Historic & Archeological APEs (JS)	5021115JS	04-Jan-10	22-Jan-10	15	28-Dec-09 A	19-Feb-10	14	50%																			
Submit APEs to SHPO (JS)	5021120JS	22-Feb-10	12-Mar-10	15	22-Feb-10	12-Mar-10	15	0%																			
Obtain SHPO Concurrence on APE Maps (JS)	5021125JS	22-Feb-10	02-Apr-10	30	22-Feb-10	02-Apr-10	30	0%																			
Conduct Native American Consultation (JS)	5021130JS	22-Feb-10	02-Apr-10	30	22-Feb-10	02-Apr-10	30	0%																			
Prepare Prehistoric/Historic Context (JS)	5021135JS	04-Jan-10	29-Jan-10	20	21-Dec-09 A	26-Feb-10	19	50%																			
Define Historic Resources/Regulatory Setting/Significanc	5021140JS	04-Jan-10	29-Jan-10	20	21-Dec-09 A	19-Feb-10	14	50%																			
Conduct Archaeological/Historic Arch nventory Survey (JS)	5021141JS	22-Feb-10	14-May-10	60	22-Feb-10	14-May-10	60	0%																			
Conduct Literature Reviews of Cultural Resources (JS)	5021142JS	05-Mar-10	25-Jun-10	80	05-Mar-10	25-Jun-10	80	0%																			
ID Cultural Resources on NRHP (JS)	5021144JS	30-Apr-10	23-Aug-10	80	30-Apr-10	23-Aug-10	80	0%																			
Undertake Additional Surveys as Needed/Prepare HRER	5021146JS	21-May-10	09-Aug-10	55	21-May-10	09-Aug-10	55	0%																			
ID Cultural Resources Impacts (JS)	5021148JS	20-Jul-10	21-Sep-10	45	20-Jul-10	21-Sep-10	45	0%																			
ID Construction Impacts (JS)	5021150JS	10-Aug-10	07-Sep-10	20	10-Aug-10	07-Sep-10	20	0%																			
Prepare Archeological Survey Report (JS)	5021155JS	24-Aug-10	28-Sep-10	25	24-Aug-10	28-Sep-10	25	0%																			
Prepare HPSR & Finding of Effect (FOE) Report FY 1/2 (	5021160JS	29-Sep-10	04-Oct-10	4	29-Sep-10	04-Oct-10	4	0%																			
Prepare Draft Baseline/Affected Environment Section (JS)	5031610JS	05-Mar-10	12-Jul-10	90	05-Mar-10	12-Jul-10	90	0%																			
PMT/Authority/FRA Review of Section (JS)	5031615JS	13-Jul-10	26-Jul-10	10	13-Jul-10	26-Jul-10	10	0%																			
Cultural Resources (ASR, HASR, other) FY 3		05-Oct-10	28-Jan-11	81	05-Oct-10	28-Jan-11	81																				
Prepare HPSR & Finding of Effect (FOE) Report FY 3	5023064	05-Oct-10	12-Oct-10	6	05-Oct-10	12-Oct-10	6	0%																			
Prepare Draft MOAs	5023065	13-Oct-10	02-Nov-10	15	13-Oct-10	02-Nov-10	15	0%																			
Prepare Working Draft Report	5023070	13-Oct-10	16-Nov-10	25	13-Oct-10	16-Nov-10	25	0%																			
Compare Against 15% Plans	5023075	17-Nov-10	22-Nov-10	4	17-Nov-10	22-Nov-10	4	0%																			
Revise Draft Technical Report as Necessary	5023080	23-Nov-10	30-Nov-10	4	23-Nov-10	30-Nov-10	4	0%																			
PMT Screencheck for Completeness & Consistency	5023082	01-Dec-10	07-Dec-10	5	01-Dec-10	07-Dec-10	5	0%																			
Prepare Draft Technical Report	5023084	08-Dec-10	04-Jan-11	18	08-Dec-10	04-Jan-11	18	0%																			
PMT/Authority/FRA Review of Technical Report, MOUs, &	5023086	05-Jan-11	14-Jan-11	8	05-Jan-11	14-Jan-11	8	0%																			
Revised Technical Report	5023088	17-Jan-11	26-Jan-11	8	17-Jan-11	26-Jan-11	8	0%																			
Submit HPSR, FOE & MOUs to SHPO	5023090	27-Jan-11	28-Jan-11	2	27-Jan-11	28-Jan-11	2	0%																			
5.3 EIR/EIS Analysis		13-Jul-09	26-Jan-11	392	20-Jul-09 A	26-Jan-11	252																				
5.3.1 Transportation (Section 3.02)		17-Jun-10	15-Jul-10	20	17-Jun-10	15-Jul-10	20																				
PMT/Authority/FRA Review of Section (PR)	5030115PR	17-Jun-10	30-Jun-10	10	17-Jun-10	30-Jun-10	10	0%																			
Project Name: California HSR - Pacheco Pass		Project Start: 09-Dec-08							Page 17 of 27				Remaining Level of Effort				Actual Work				◆ Mileston...						
Layout Name: RDC Monthly Schedule Update - R2		Project Finish: 28-Jun-13			Monthly Schedule Update				Date & Time: 22-Feb-10 15:11				Actual Level of Effort				Remaining Work				% Compl...						
Report Name: PMT Sch Rpt -- Segment Name and Update Date.pdf		Project Data Date: 30-Jan-10											Baseline				◆ Baseline Milestone				Summary						







				Monthly Schedule Update						San Jose to Merced - JM																
										January 2010 Update																
Activity Name	Activity ID	Planned Start Date	Planned Finish Date	Planned Duration	Actual/Forecast Start Date	Actual/Forecast Finish Date	Remaining Duration	Physical % Complete																		
									2008		2009				2010				2011				2012			
									Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
ID Farmland Plans/Policies	5031340	01-Feb-10	08-Mar-10	25	01-Feb-10	08-Mar-10	25	0%																		
Define Regulatory Setting/Significance Criteria (JS)	5031345JS	04-Jan-10	15-Jan-10	10	04-Jan-10 A	05-Feb-10	5	60%																		
Prepare Draft Baseline/Affected Environment Section (JS)	5031350JS	04-Jan-10	05-Feb-10	25	04-Jan-10 A	08-Mar-10	25	30%																		
PMT/Authority/FRA Review of Section	5031355	09-Mar-10	22-Mar-10	10	09-Mar-10	22-Mar-10	10	0%																		
ID Impacts on Important Farmlands, Agriculture, Plans/Pc	5031361JS	23-Mar-10	05-Apr-10	10	23-Mar-10	05-Apr-10	10	0%																		
Define Mitigation Measures/Design Practices (JS)	5031362JS	23-Mar-10	05-Apr-10	10	23-Mar-10	05-Apr-10	10	0%																		
Prepare Impacts/Mitigation Section (JS)	5031363JS	06-Apr-10	19-Apr-10	10	06-Apr-10	19-Apr-10	10	0%																		
PMT/Authority/FRA Review of Section	5031364PR	20-Apr-10	03-May-10	10	20-Apr-10	03-May-10	10	0%																		
5.3.14 Parks/Recreation/Open Space		17-Aug-09	21-Apr-10	173	17-Aug-09 A	21-Apr-10	58																			
Define Study Area (JS)	5031410JS	17-Aug-09	16-Nov-09	65	17-Aug-09 A	13-Nov-09 A	0	100%																		
ID Existing Regional/Local Study Area Open Space/Parks	5031415JS	16-Nov-09	22-Dec-09	25	19-Oct-09 A	05-Feb-10	5	80%																		
ID Planned/Approved/Reasonably Foreseeable Open Sp	5031420JS	04-Jan-10	29-Jan-10	20	04-Jan-10 A	05-Feb-10	5	60%																		
Describe Facilities, Vehicular/Pedestrian Access (JS)	5031425JS	02-Feb-10	02-Mar-10	20	02-Feb-10	02-Mar-10	20	0%																		
Define Regulatory Setting/Significance Criteria (JS)	5031430JS	04-Jan-10	29-Jan-10	20	04-Jan-10 A	05-Feb-10	5	40%																		
Prepare Draft Baseline/Affected Environment Section (JS)	5031435JS	03-Mar-10	30-Mar-10	20	03-Mar-10	30-Mar-10	20	0%																		
PMT/Authority/FRA Review of Section (JS)	5031440JS	31-Mar-10	09-Apr-10	8	31-Mar-10	09-Apr-10	8	0%																		
Revised Baseline/Affected Environment Section (JS)	5031445JS	12-Apr-10	21-Apr-10	8	12-Apr-10	21-Apr-10	8	0%																		
ID Impacts on Open Space/Parks/Rec Areas (JS)	5031446JS	04-Jan-10	15-Jan-10	10	25-Jan-10 A	12-Feb-10	10	30%																		
Define Mitigation Measures/Design Practices (JS)	5031447JS	04-Jan-10	15-Jan-10	10	25-Jan-10 A	12-Feb-10	10	10%																		
Prepare Impacts/Mitigation Section (JS)	5031448JS	18-Jan-10	29-Jan-10	10	25-Jan-10 A	12-Feb-10	10	10%																		
PMT/Authority/FRA Review of Section	5031449	01-Feb-10	12-Feb-10	10	01-Feb-10	12-Feb-10	10	0%																		
5.3.15 Aesthetics & Visual Quality		13-Sep-10	22-Oct-10	30	13-Sep-10	22-Oct-10	30																			
Prepare Impacts/Mitigation Section (PR)	5031521	13-Sep-10	08-Oct-10	20	13-Sep-10	08-Oct-10	20	0%																		
PMT/Authority/FRA Review of Section (PR)	5031522	11-Oct-10	22-Oct-10	10	11-Oct-10	22-Oct-10	10	0%																		
5.3.16 Cultural Resources		08-Dec-10	26-Jan-11	35	08-Dec-10	26-Jan-11	35																			
Prepare Impacts/Mitigation Section (JS)	5031621JS	08-Dec-10	04-Jan-11	18	08-Dec-10	04-Jan-11	18	0%																		
PMT/Authority/FRA Review of Section (PR)	5031622	17-Jan-11	26-Jan-11	8	17-Jan-11	26-Jan-11	8	0%																		
5.3.17 Construction Methods and Impact		20-Jul-09	21-Jan-11	384	20-Jul-09 A	21-Jan-11	190																			
ID/Describe Construction Methods (PR)	5031710JS	20-Jul-09	15-Jul-10	251	20-Jul-09 A	04-Jan-11	176	30%																		
ID/Describe Construction Methods (PR)	5031710PR	20-Jul-09	15-Jul-10	251	20-Jul-09 A	04-Jan-11	176	30%																		
Prepare Construction Methods / Impacts / Mitigation Secti	5031712	15-Dec-10	11-Jan-11	18	15-Dec-10	11-Jan-11	18	0%																		
PMT/Authority/FRA Review of Section (PR)	5031713	12-Jan-11	21-Jan-11	8	12-Jan-11	21-Jan-11	8	0%																		
5.3.18 Cumulative Impacts		15-Jun-10	13-Jul-10	20	15-Jun-10	13-Jul-10	20																			
ID Related Projects (JS)	5031810JS	15-Jun-10	13-Jul-10	20	15-Jun-10	13-Jul-10	20	0%																		
5.3.19 Section 4(f) and Section 6(f) Evaluations		13-Oct-10	17-Jan-11	66	13-Oct-10	17-Jan-11	66																			
ID 4(f) & 6(f) Resources (Parklands, Open Space, Cultura	5031905JS	13-Oct-10	23-Nov-10	30	13-Oct-10	23-Nov-10	30	0%																		
Prepare Draft Baseline/Affected Environment Section	5031910	10-Nov-10	09-Dec-10	20	10-Nov-10	09-Dec-10	20	0%																		
PMT/Authority/FRA Review of Section	5031915	10-Dec-10	23-Dec-10	10	10-Dec-10	23-Dec-10	10	0%																		
ID Impacts/use of 4(f) & 6(f) Resources (JS)	5031921JS	03-Dec-10	03-Jan-11	20	03-Dec-10	03-Jan-11	20	0%																		
Define Mitigation Measures/Design Practices (JS)	5031922JS	03-Dec-10	03-Jan-11	20	03-Dec-10	03-Jan-11	20	0%																		
Prepare Impacts/Mitigation Section (JS)	5031923JS	10-Dec-10	03-Jan-11	15	10-Dec-10	03-Jan-11	15	0%																		
PMT/Authority/FRA Review of Section	5031924	04-Jan-11	17-Jan-11	10	04-Jan-11	17-Jan-11	10	0%																		
6.1 Define Station(s) & Needs Assesment		10-Aug-10	16-May-11	196	10-Aug-10	16-May-11	196																			
6.1.1 Define Station (s) & Needs Assessment (See WBS 4.1.3)...		10-Aug-10	16-May-11	196	10-Aug-10	16-May-11	196																			
Outline Issue, Opportunities, Constraints	6010110	10-Aug-10	02-Dec-10	80	10-Aug-10*	02-Dec-10	80	0%																		
PMT/Authority/FRA Review	6010120	03-Dec-10	16-Dec-10	10	03-Dec-10	16-Dec-10	10	0%																		
Project Name: California HSR - Pacheco Pass				Project Start: 09-Dec-08						Page 20 of 27				Remaining Level of Effort				Actual Work				Mileston...				
Layout Name: RDC Monthly Schedule Update - R2				Project Finish: 28-Jun-13						Date & Time: 22-Feb-10 15:11				Actual Level of Effort				Remaining Work				% Compl...				
Report Name: PMT Sch Rpt -- Segment Name and Update Date.pdf				Project Data Date: 30-Jan-10		Monthly Schedule Update								Baseline				Baseline Milestone				Summary				



				Monthly Schedule Update					San Jose to Merced - JM																	
									January 2010 Update																	
Activity Name	Activity ID	Planned Start Date	Planned Finish Date	Planned Duration	Actual/Forecast Start Date	Actual/Forecast Finish Date	Remaining Duration	Physical % Complete																		
									2008				2009				2010				2011				2012	
									Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Revised Issues, Opportunities, Constraints																										
Gilroy Review of Issues, Opportunities, Constraints																										
Revised Issues Opportunities, Constraints																										
Public Mtg./Workshop - Issues, Opportunities, Constraints																										
6.2 Station Area Development Plan			17-May-11	06-Oct-11	103	17-May-11	06-Oct-11	103																		
6.2.1 Station Area Development Plan			17-May-11	06-Oct-11	103	17-May-11	06-Oct-11	103																		
Work w/Gilroy for Station Area Development Plan	6020110	17-May-11	06-Oct-11	100	17-May-11	06-Oct-11	100	0%																		
7.1 Prepare Administrative Draft EIR/EIS			01-Feb-10	19-May-11	333	01-Feb-10	19-May-11	333																		
7.1.1 Summary			01-Apr-11	21-Apr-11	15	01-Apr-11	21-Apr-11	15																		
Summarize Draft EIS/EIR	7010110	01-Apr-11	11-Apr-11	7	01-Apr-11	11-Apr-11	7	0%																		
ID Environmentally Superior Alternative	7010115	12-Apr-11	13-Apr-11	2	12-Apr-11	13-Apr-11	2	0%																		
ID Next Steps	7010120	12-Apr-11	13-Apr-11	2	12-Apr-11	13-Apr-11	2	0%																		
PMT/Authority/FRA/AG Review of Chapter	7010125	14-Apr-11	21-Apr-11	6	14-Apr-11	21-Apr-11	6	0%																		
Revised Chapter	7010130	14-Apr-11	20-Apr-11	5	14-Apr-11	20-Apr-11	5	0%																		
7.1.2 Purpose & Need			01-Feb-10	03-May-10	66	01-Feb-10	03-May-10	66																		
Revise Purpose & Need, as appropriate	7010210	01-Feb-10	05-Apr-10	45	01-Feb-10	05-Apr-10	45	0%																		
PMT/Authority/FRA/AG Review of Chapter	7010215	06-Apr-10	19-Apr-10	10	06-Apr-10	19-Apr-10	10	0%																		
Revised Purpose & Need Chapter	7010220	20-Apr-10	03-May-10	10	20-Apr-10	03-May-10	10	0%																		
7.1.3 Alternatives			13-Dec-10	15-Feb-11	46	13-Dec-10	15-Feb-11	46																		
Draft Alternatives Chapter	7010310	13-Dec-10	18-Jan-11	25	13-Dec-10	18-Jan-11	25	0%																		
PMT/Authority/FRA/AG Review of Chapter	7010315	19-Jan-11	01-Feb-11	10	19-Jan-11	01-Feb-11	10	0%																		
Revised Alternatives Chapter	7010320	02-Feb-11	15-Feb-11	10	02-Feb-11	15-Feb-11	10	0%																		
7.1.4 Affected Environment, Env. Consequences, & Mitigation			01-Feb-10	02-Apr-10	45	01-Feb-10	02-Apr-10	45																		
Introduction - Prepare Draft Chapter	701040110	01-Feb-10	01-Mar-10	20	01-Feb-10*	01-Mar-10	20	0%																		
Introduction - PMT/Authority/FRA Review	701040115	02-Mar-10	17-Mar-10	12	02-Mar-10	17-Mar-10	12	0%																		
Introduction - Revised Chapter	701040120	18-Mar-10	02-Apr-10	12	18-Mar-10	02-Apr-10	12	0%																		
Affected Environment, Env. Consequences, & Mitigation FY 3			29-Mar-10	29-Apr-11	279	29-Mar-10	29-Apr-11	279																		
Transportation - Prepare Draft Chapter	701040210	11-Nov-10	03-Dec-10	15	11-Nov-10	03-Dec-10	15	0%																		
Transportation - PMT/Authority/FRA Review of Chapter	701040215	06-Dec-10	17-Dec-10	10	06-Dec-10	17-Dec-10	10	0%																		
Transportation - Revised Chapter	701040220	20-Dec-10	30-Dec-10	8	20-Dec-10	30-Dec-10	8	0%																		
Air Quality - Prepare Draft Chapter	701040310	11-Nov-10	03-Dec-10	15	11-Nov-10	03-Dec-10	15	0%																		
Air Quality - PMT/Authority/FRA Review of Chapter	701040315	06-Dec-10	15-Dec-10	8	06-Dec-10	15-Dec-10	8	0%																		
Air Quality - Revised Chapter	701040320	16-Dec-10	28-Dec-10	8	16-Dec-10	28-Dec-10	8	0%																		
Noise & Vibration - Prepare Draft Chapter	701040410	04-Oct-10	29-Oct-10	20	04-Oct-10	29-Oct-10	20	0%																		
Noise & Vibration - PMT/Authority/FRA Review of Chap.	701040415	01-Nov-10	10-Nov-10	8	01-Nov-10	10-Nov-10	8	0%																		
Noise & Vibration - Revised Chapter	701040420	11-Nov-10	22-Nov-10	8	11-Nov-10	22-Nov-10	8	0%																		
EMI/EMF - Obtain EMI/EMF Information/Measurements	701040510	01-Jul-10	22-Jul-10	15	01-Jul-10	22-Jul-10	15	0%																		
EMI/EMF - Draft EMI/EMF Chapter	701040515	16-Jul-10	19-Aug-10	25	16-Jul-10	19-Aug-10	25	0%																		
EMI/EMF - PMT/Authority/FRA Review of Chapter	701040520	20-Aug-10	31-Aug-10	8	20-Aug-10	31-Aug-10	8	0%																		
EMI/EMF - Revised Chapter	701040525	01-Sep-10	13-Sep-10	8	01-Sep-10	13-Sep-10	8	0%																		
Pub Util & Energy - ID Public Utility Impacts	701040610	29-Mar-10	21-May-10	40	29-Mar-10	21-May-10	40	0%																		
Pub Util & Energy - Summarize Public Utility Relocation P	701040615	24-May-10	28-Jun-10	25	24-May-10	28-Jun-10	25	0%																		
Pub Util & Energy - ID Public Utility Relocation Impacts	701040620	29-Jun-10	31-Aug-10	45	29-Jun-10	31-Aug-10	45	0%																		
Pub Util & Energy - Define Mitigation Measure/Design Pr	701040625	01-Sep-10	13-Sep-10	8	01-Sep-10	13-Sep-10	8	0%																		
Pub Util & Energy - Draft Public Utilities Chapter	701040630	14-Sep-10	11-Oct-10	20	14-Sep-10	11-Oct-10	20	0%																		
Pub Util & Energy - PMT/Authority/FRA Review of Chapter	701040635	14-Sep-10	24-Sep-10	9	14-Sep-10	24-Sep-10	9	0%																		
Project Name: California HSR - Pacheco Pass		Project Start: 09-Dec-08		Monthly Schedule Update					Page 21 of 27		Remaining Level of Effort		Actual Work		Milestone...											
Layout Name: RDC Monthly Schedule Update - R2		Project Finish: 28-Jun-13							Date & Time: 22-Feb-10 15:11		Actual Level of Effort		Remaining Work		% Compl...											
Report Name: PMT Sch Rpt -- Segment Name and Update Date.pdf		Project Data Date: 30-Jan-10									Baseline		Baseline Milestone		Summary											







				Monthly Schedule Update					San Jose to Merced - JM																	
									January 2010 Update																	
Activity Name	Activity ID	Planned Start Date	Planned Finish Date	Planned Duration	Actual/Forecast Start Date	Actual/Forecast Finish Date	Remaining Duration	Physical % Complete																		
									2008		2009				2010				2011				2012			
									Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
7.2.1 Prep Draft EIS/EIR			21-Apr-11	12-Jul-11	59	21-Apr-11	12-Jul-11	59																		
Revised Chapters - PMT/Authority/AG/FRA Review	7020105	21-Apr-11	05-May-11	11	21-Apr-11	05-May-11	11	0%																		
Prepare DEIS/R for Legal review	7020110	06-May-11	12-May-11	5	06-May-11	12-May-11	5	0%																		
Print & Distribute Draft EIS/EIR - Place Notices	7020115	27-Jun-11	12-Jul-11	11	27-Jun-11	12-Jul-11	11	0%																		
7.2.2 FRA Legal Review			13-May-11	24-Jun-11	31	13-May-11	24-Jun-11	31																		
Compile/Print Adm. Draft	7020210	13-May-11	18-May-11	4	13-May-11	18-May-11	4	0%																		
FRA Legal Review	7020215	19-May-11	14-Jun-11	18	19-May-11	14-Jun-11	18	0%																		
Revise Draft EIS/EIR	7020220	15-Jun-11	24-Jun-11	8	15-Jun-11	24-Jun-11*	8	0%																		
7.2.3 Public Review Period			13-Jul-11	23-Aug-11	30	13-Jul-11	23-Aug-11	30																		
Public Review Period	7020301	13-Jul-11	23-Aug-11	30	13-Jul-11	23-Aug-11	30	0%																		
Pub Hearings - Hold/Participate in Public Hearing - San Jo	702030110	20-Jul-11		0	20-Jul-11		0	0%																		
Pub Hearings - Hold/Participate in Public Hearing in Gilroy	702030115	21-Jul-11		0	21-Jul-11		0	0%																		
Pub Hearings - Hold/Participate in Public Hearing in Merc	702030120	22-Jul-11		0	22-Jul-11		0	0%																		
7.3 Prepare Draft Final EIR/EIS			11-May-11	23-Jan-12	184	11-May-11	23-Jan-12	184																		
7.3.1 Prepare Draft Final EIR/EIS FY 3			13-Jul-11	07-Sep-11	41	13-Jul-11	07-Sep-11	41																		
Summarize Public Comments - Board Presentation	7030110	13-Jul-11	22-Jul-11	8	13-Jul-11	22-Jul-11	8	0%																		
Organize/Assign Responses to Public Comments	7030115	24-Aug-11	07-Sep-11	10	24-Aug-11	07-Sep-11	10	0%																		
Draft Responses to Comments FY 3	7030120	11-Aug-11	23-Aug-11	9	11-Aug-11	23-Aug-11	9	0%																		
Prepare Draft Final EIR/EIS FY 4			26-Aug-11	09-Nov-11	54	26-Aug-11	09-Nov-11	54																		
Draft Responses to Comments FY 4	7030123	26-Aug-11	21-Sep-11	18	26-Aug-11	21-Sep-11	18	0%																		
Prepare Admin. Draft Final EIS/EIR	7030125	06-Oct-11	19-Oct-11	10	06-Oct-11	19-Oct-11	10	0%																		
PMT/Authority/FRA/AG Review of Adm. Draft Final	7030130	13-Oct-11	09-Nov-11	20	13-Oct-11	09-Nov-11	20	0%																		
7.3.2 Identify LEDPA FY 3			11-May-11	30-Jun-11	37	11-May-11	30-Jun-11	37																		
Conduct 404(b)1 Alternatives Analysis	7030210	11-May-11	15-Jun-11	25	11-May-11*	15-Jun-11	25	0%																		
PMT/Authority/FRA Review	7030215	16-Jun-11	27-Jun-11	8	16-Jun-11	27-Jun-11	8	0%																		
Revise 404(b)1 FY 3	7030220	28-Jun-11	30-Jun-11	3	28-Jun-11	30-Jun-11	3	0%																		
Identify LEDPA FY 4			01-Jul-11	23-Aug-11	38	01-Jul-11	23-Aug-11	38																		
Revise 404(b)1 FY 4	7030222	01-Jul-11	06-Jul-11	3	01-Jul-11	06-Jul-11	3	0%																		
Conduct Information Consultations with COE & EPA	7030225	07-Jul-11	27-Jul-11	15	07-Jul-11	27-Jul-11	15	0%																		
Finalize 404(b)1 Analysis - Submit to COE/EPA	7030230	28-Jul-11	12-Aug-11	12	28-Jul-11	12-Aug-11	12	0%																		
Obtain LEDPA Concurrence	7030235	15-Aug-11	23-Aug-11	7	15-Aug-11	23-Aug-11	7	0%																		
7.3.3 Identify LPA FY 3			27-Jul-11	23-Aug-11	20	27-Jul-11	23-Aug-11	20																		
Prepare LPA Recommendation Report	7030310	27-Jul-11	23-Aug-11	20	27-Jul-11	23-Aug-11	20	0%																		
Identify LPA FY 4			24-Aug-11	06-Oct-11	31	24-Aug-11	06-Oct-11	31																		
PMT/Authority/AG/FRA Review	7030315	24-Aug-11	14-Sep-11	15	24-Aug-11	14-Sep-11	15	0%																		
Revise LPA Recommendation Report	7030320	15-Sep-11	28-Sep-11	10	15-Sep-11	28-Sep-11	10	0%																		
Authority Board Meeting	7030325	06-Oct-11		0	06-Oct-11		0	0%																		
7.3.4 CDFG Consistency Determination FY 3			10-Jun-11	25-Aug-11	55	10-Jun-11	25-Aug-11	55																		
Prepare Draft Biological Assessment (BA)	7030410	10-Jun-11	08-Jul-11	20	10-Jun-11	08-Jul-11	20	0%																		
PMT/Authority/FRA Review of BA	7030415	11-Jul-11	22-Jul-11	10	11-Jul-11	22-Jul-11	10	0%																		
Revised BA	7030420	25-Jul-11	04-Aug-11	9	25-Jul-11	04-Aug-11	9	0%																		
Authority Submits BA to USFWS - 90 Day Consultation	7030425	05-Aug-11	25-Aug-11	15	05-Aug-11	25-Aug-11	15	0%																		
CDFG Consistency Determination FY 4			26-Aug-11	23-Jan-12	107	26-Aug-11	23-Jan-12	107																		
Authority Submits BA to USFWS - 90 Day Consultation	7030428	26-Aug-11	04-Nov-11	50	26-Aug-11	04-Nov-11	50	0%																		
USFWS Issues Biological Opinion - 45 Days	7030430	07-Nov-11	22-Dec-11	32	07-Nov-11	22-Dec-11	32	0%																		
Prepare CDFG Consistency Determination Request Letter	7030435	23-Nov-11	15-Dec-11	15	23-Nov-11	15-Dec-11	15	0%																		
Project Name: California HSR - Pacheco Pass		Project Start: 09-Dec-08							Page 24 of 27																	
Layout Name: RDC Monthly Schedule Update - R2		Project Finish: 28-Jun-13							Date & Time: 22-Feb-10 15:11																	
Report Name: PMT Sch Rpt -- Segment Name and Update Date.pdf		Project Data Date: 30-Jan-10																								
				Monthly Schedule Update																						



				Monthly Schedule Update						San Jose to Merced - JM																
										January 2010 Update																
Activity Name	Activity ID	Planned Start Date	Planned Finish Date	Planned Duration	Actual/Forecast Start Date	Actual/Forecast Finish Date	Remaining Duration	Physical % Complete																		
									2008		2009				2010				2011				2012			
									Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Submit Consistency Determination Request to CDFG	7030440	16-Dec-11	22-Dec-11	5	16-Dec-11	22-Dec-11	5	0%																		
CDFG Review and Issues Consistency Determination	7030445	23-Dec-11	23-Jan-12	20	23-Dec-11	23-Jan-12	20	0%																		
7.4 Final EIR/EIS FY 4		10-Nov-11	06-Feb-12	63	10-Nov-11	06-Feb-12	63																			
7.4.1 Final EIR/EIS FY 4		10-Nov-11	06-Feb-12	63	10-Nov-11	06-Feb-12	63																			
Prepare Draft Final EIS/EIR	7040110	10-Nov-11	21-Nov-11	8	10-Nov-11	21-Nov-11	8	0%																		
FRA Legal Review	7040115	22-Nov-11	21-Dec-11	20	22-Nov-11	21-Dec-11	20	0%																		
Revise Final EIR/EIS	7040120	22-Dec-11	06-Jan-12	10	22-Dec-11	06-Jan-12	10	0%																		
Authority/FRA Clearance and Signature	7040125	09-Jan-12	20-Jan-12	10	09-Jan-12	20-Jan-12	10	0%																		
Print & Distribute Final EIS/EIR - Place Notices	7040130	24-Jan-12	06-Feb-12	10	24-Jan-12	06-Feb-12	10	0%																		
8.1 Findings & Statement of Overriding Consid...		09-Jan-12	13-Feb-12	26	09-Jan-12	13-Feb-12	26																			
8.1.1 Findings & Statement of Overriding Considerations FY 4		09-Jan-12	13-Feb-12	26	09-Jan-12	13-Feb-12	26																			
Draft Findings	8010110	09-Jan-12	24-Jan-12	12	09-Jan-12	24-Jan-12	12	0%																		
PMT/Authority/FRA/AG Review of Findings	8010115	25-Jan-12	07-Feb-12	10	25-Jan-12	07-Feb-12	10	0%																		
Revised Findings	8010120	08-Feb-12	13-Feb-12	4	08-Feb-12	13-Feb-12	4	0%																		
Draft Overriding Considerations	8010125	09-Jan-12	24-Jan-12	12	09-Jan-12	24-Jan-12	12	0%																		
PMT/Authority/FRA/AG Review of Findings	8010130	25-Jan-12	07-Feb-12	10	25-Jan-12	07-Feb-12	10	0%																		
Revised Overriding Considerations	8010135	08-Feb-12	13-Feb-12	4	08-Feb-12	13-Feb-12	4	0%																		
8.3 Record of Decision/Notice of Determination ...		09-Jan-12	13-Mar-12	47	09-Jan-12	13-Mar-12	47																			
8.3.1 Record of Decision/Notice of Determination FY 4		09-Jan-12	13-Mar-12	47	09-Jan-12	13-Mar-12	47																			
Authority Board Certification of EIR	8030110	20-Feb-12	21-Feb-12	2	20-Feb-12	21-Feb-12	2	0%																		
Draft NOD	8030115	21-Feb-12	21-Feb-12	1	21-Feb-12	21-Feb-12	1	0%																		
PMT/Authority/AG Review of NOD	8030120	22-Feb-12	23-Feb-12	2	22-Feb-12	23-Feb-12	2	0%																		
Revised NOD - File	8030125	24-Feb-12	24-Feb-12	1	24-Feb-12	24-Feb-12	1	0%																		
Draft ROD	8030130	09-Jan-12	17-Jan-12	7	09-Jan-12	17-Jan-12	7	0%																		
PMT/Authority/FRA/AG Review of Draft ROD	8030135	18-Jan-12	02-Feb-12	12	18-Jan-12	02-Feb-12	12	0%																		
Revised Draft ROD	8030140	03-Feb-12	07-Feb-12	3	03-Feb-12	07-Feb-12	3	0%																		
FRA Clearance and Signature	8030145	22-Feb-12	13-Mar-12	15	22-Feb-12	13-Mar-12	15	0%																		
8.4 Mitigation Monitoring & Reporting Plan FY 4		22-Nov-11	20-Jan-12	44	22-Nov-11	20-Jan-12	44																			
8.4.1 Mitigation Monitoring & Reporting Plan FY 4		22-Nov-11	20-Jan-12	44	22-Nov-11	20-Jan-12	44																			
Draft MMRP	8040110	22-Nov-11	29-Dec-11	25	22-Nov-11	29-Dec-11	25	0%																		
PMT/Authority/FRA/AG Review of MMRP	8040115	30-Dec-11	13-Jan-12	10	30-Dec-11	13-Jan-12	10	0%																		
Revised MMRP	8040120	16-Jan-12	20-Jan-12	5	16-Jan-12	20-Jan-12	5	0%																		
8.5 Permits		21-Dec-09	30-Oct-12	739	16-Nov-09 A	30-Oct-12	711																			
8.5.2 USACOE 404 Permit FY 4		21-Dec-09	24-May-12	625	16-Nov-09 A	24-May-12	597																			
Meet with ACOE to ID Delineation Methods	80502110	21-Dec-09	28-Dec-09	5	16-Nov-09 A	20-Nov-09 A	0	100%																		
Field Review with ACOE	80502115	01-Feb-10	08-Feb-10	6	01-Feb-10*	08-Feb-10	6	0%																		
Conduct Wetlands Delineation (see 5.3.4)	80502120	20-Apr-10	09-Sep-10	100	20-Apr-10	09-Sep-10	100	0%																		
ID Wetlands Impacts/Conceptual Mitigation	80502125	12-May-10	29-Jul-10	55	12-May-10	29-Jul-10	55	0%																		
Prepare Wetlands Delineation Report (see 5.4.4)	80502130	30-Jul-10	30-Nov-10	85	30-Jul-10	30-Nov-10	85	0%																		
ACOE Verifies Delineation/Conceptual Mitigation	80502135	01-Dec-10	24-Feb-11	60	01-Dec-10	24-Feb-11	60	0%																		
ACOE Public Notice (Coordinate with DEIS Pub Hearing)	80502140	20-Jul-11	26-Jul-11	5	20-Jul-11	26-Jul-11	5	0%																		
Conduct 404(b)1 Alternatives Analysis (see Task 7.4.4)	80502145	11-May-11	23-Aug-11	73	11-May-11*	23-Aug-11	73	0%																		
Submit FEIR/EIS and ROD to ACOE (includes BO,	80502150	14-Mar-12	14-Mar-12	1	14-Mar-12	14-Mar-12	1	0%																		
ACOE Prepares Permit	80502155	15-Mar-12	25-Apr-12	30	15-Mar-12	25-Apr-12	30	0%																		
PMT/Authority/FRA/AG Review of Permit	80502160	26-Apr-12	23-May-12	20	26-Apr-12	23-May-12	20	0%																		
ACOE Issues Permit	80502165	24-May-12		0	24-May-12		0	0%																		
Project Name: California HSR - Pacheco Pass		Project Start: 09-Dec-08								Page 25 of 27																
Layout Name: RDC Monthly Schedule Update - R2		Project Finish: 28-Jun-13								Date & Time: 22-Feb-10 15:11																
Report Name: PMT Sch Rpt -- Segment Name and Update Date.pdf		Project Data Date: 30-Jan-10																								
						Monthly Schedule Update																				

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										January 2010 Update																
Activity Name	Activity ID	Planned Start Date	Planned Finish Date	Planned Duration	Actual/Forecast Start Date	Actual/Forecast Finish Date	Remaining Duration	Physical % Complete																		
									2008		2009				2010				2011				2012			
									Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Prep 404 App - Pre-Application Meeting with ACOE	80502210	01-Feb-10	01-Feb-10	1	01-Feb-10	01-Feb-10	1	0%																		
Prep 404 App - Prepare Draft 404 Application	80502215	01-Feb-10	12-Feb-10	10	01-Feb-10	12-Feb-10	10	0%																		
Prep 404 App - PMT/Authority/FRA/AG Review of Applca	80502220	16-Feb-10	01-Mar-10	10	16-Feb-10	01-Mar-10	10	0%																		
Prep 404 App - Revised Application - Submit to ACOE (A	80502225	02-Mar-10	08-Mar-10	5	02-Mar-10	08-Mar-10	5	0%																		
8.5.3 RWQCB - 401 Certification		21-Dec-09	29-Dec-11	520	16-Nov-09 A	29-Dec-11	492																			
Initiate Coordination with RWQCBs)/SWRCB	8050310	21-Dec-09	17-Feb-10	40	16-Nov-09 A	05-Feb-10	5	20%																		
Prepare Permit Application (need Draft EIR and Bio Tech	8050315	27-Jun-11	11-Jul-11	10	27-Jun-11	11-Jul-11	10	0%																		
PMT/Authority/FRA/AG Review of Application	8050320	12-Jul-11	25-Jul-11	10	12-Jul-11	25-Jul-11	10	0%																		
Revise Application	8050325	26-Jul-11	01-Aug-11	5	26-Jul-11	01-Aug-11	5	0%																		
Submit Permit Application	8050330	02-Aug-11	08-Aug-11	5	02-Aug-11	08-Aug-11	5	0%																		
RWQCB/SWRCB Review	8050335	09-Aug-11	06-Sep-11	20	09-Aug-11	06-Sep-11	20	0%																		
Submit Requested Additional Information	8050340	07-Sep-11	01-Dec-11	60	07-Sep-11	01-Dec-11	60	0%																		
RWQCBs/SWRCB Deems Application Complete	8050345	02-Dec-11	15-Dec-11	10	02-Dec-11	15-Dec-11	10	0%																		
Submit FEIR / EIS and NOD to RWQCBs)/SWRCB	8050350	28-Dec-11	28-Dec-11	1	28-Dec-11	28-Dec-11	1	0%																		
Issue Permit	8050355	29-Dec-11		0	29-Dec-11		0	0%																		
8.5.4 - CDFG - 1602 Agreement		21-Dec-09	21-Aug-12	688	16-Nov-09 A	21-Aug-12	301																			
Initiate Coordination with CDFG	8050410	21-Dec-09	21-Dec-09	1	16-Nov-09 A	16-Nov-09 A	0	100%																		
Prepare Permit Application (need Draft EIR and Bio Tech	8050415	27-Jun-11	11-Jul-11	10	27-Jun-11	11-Jul-11	10	0%																		
PMT/Authority/FRA/AG Review of Application	8050420	12-Jul-11	25-Jul-11	10	12-Jul-11	25-Jul-11	10	0%																		
Revise Application	8050425	26-Jul-11	01-Aug-11	5	26-Jul-11	01-Aug-11	5	0%																		
Submit Permit Application	8050430	02-Aug-11	08-Aug-11	5	02-Aug-11	08-Aug-11	5	0%																		
CDFG Review	8050435	09-Aug-11	06-Sep-11	20	09-Aug-11	06-Sep-11	20	0%																		
Submit Requested Additional Information	8050440	07-Sep-11	01-Dec-11	60	07-Sep-11	01-Dec-11	60	0%																		
CDFG Deems Application Complete	8050445	02-Dec-11	15-Dec-11	10	02-Dec-11	15-Dec-11	10	0%																		
Submit FEIR / EIS and NOD to CDFG	8050450	27-Feb-12	27-Feb-12	1	27-Feb-12	27-Feb-12	1	0%																		
CDFG Issue Draft Permit	8050455	28-Feb-12	21-May-12	60	28-Feb-12	21-May-12	60	0%																		
PMT/Authority/AG Review Permit	8050460	22-May-12	19-Jun-12	20	22-May-12	19-Jun-12	20	0%																		
CDFG Re-Issues Permit with Changes	8050465	20-Jun-12	01-Aug-12	30	20-Jun-12	01-Aug-12	30	0%																		
PMT/Authority/AG Review Permit	8050470	02-Aug-12	15-Aug-12	10	02-Aug-12	15-Aug-12	10	0%																		
Re-submit Signed Permit to CDFG	8050475	16-Aug-12	20-Aug-12	3	16-Aug-12	20-Aug-12	3	0%																		
CDFG Issues Final Permit	8050480	21-Aug-12		0	21-Aug-12		0	0%																		
8.5.5 Other Permits FY 3		11-Nov-10	12-Jul-11	171	11-Nov-10	12-Jul-11	171																			
Other Permits FY 3	8050510	11-Nov-10	12-Jul-11	168	11-Nov-10	12-Jul-11	168	0%																		
Other Permits FY 4		13-Jul-11	20-Jul-12	268	13-Jul-11	20-Jul-12	268																			
Other Permits FY 4	8050401	13-Jul-11	20-Jul-12	261	13-Jul-11	20-Jul-12	261	0%																		
Other Permits FY 5		23-Jul-12	30-Oct-12	72	23-Jul-12	30-Oct-12	72																			
Other Permits FY 5	8050501	23-Jul-12	30-Oct-12	71	23-Jul-12	30-Oct-12	71	0%																		
9.1 Identify Segments at Risk of Development		01-Feb-10	29-Dec-11	493	01-Feb-10	29-Dec-11	493																			
9.1.1 Identify Segments at Risk of Development FY 1/2		01-Feb-10	12-Apr-10	51	01-Feb-10	12-Apr-10	51																			
ID Segments at Risk of Development - 2%-4% Engineering	9010110	01-Feb-10	08-Mar-10	25	01-Feb-10*	08-Mar-10	25	0%																		
ID Segments at Risk of Development - 15% Engineering	9010115	09-Mar-10	12-Apr-10	25	09-Mar-10	12-Apr-10	25	0%																		
Identify Segments at Risk of Development FY 3		22-Nov-11	29-Dec-11	28	22-Nov-11	29-Dec-11	28																			
ID Segments at Risk of Development - 30% Engineering	9010120	22-Nov-11	29-Dec-11	25	22-Nov-11	29-Dec-11	25	0%																		
9.2 Advance Acquisition Recommendations		09-Mar-10	19-Jan-12	482	09-Mar-10	19-Jan-12	482																			
9.2.1 Advance Acquisition Recommendations FY 1/2		09-Mar-10	30-Apr-10	39	09-Mar-10	30-Apr-10	39																			
Prepare Advance Acquisition Recommendations 2%-4%	9020110	09-Mar-10	26-Mar-10	14	09-Mar-10	26-Mar-10	14	0%																		
Project Name: California HSR - Pacheco Pass		Project Start: 09-Dec-08								Page 26 of 27																
Layout Name: RDC Monthly Schedule Update - R2		Project Finish: 28-Jun-13								Date & Time: 22-Feb-10 15:11																
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Activity Name	Activity ID	Planned Start Date	Planned Finish Date	Planned Duration	Actual/Forecast Start Date	Actual/Forecast Finish Date	Remaining Duration	Physical % Complete																							
									2008			2009				2010				2011				2012				2013			
										Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Prepare Advance Acquisition Recommendations 15%	9020115	13-Apr-10	30-Apr-10	14	13-Apr-10	30-Apr-10	14	0%																							
Advance Acquisition Recommendations FY 3		30-Dec-11	19-Jan-12	15	30-Dec-11	19-Jan-12	15																								
Prepare Acquisition Recommendations 30%	9020120	30-Dec-11	19-Jan-12	14	30-Dec-11	19-Jan-12	14	0%																							
9.3 Early (Emergency) Environmental Review		29-Mar-10	24-Sep-12	645	29-Mar-10	24-Sep-12	645																								
9.3.1 Early (Emergency) Environmental Review FY 1/2		29-Mar-10	21-Jun-10	60	29-Mar-10	21-Jun-10	60																								
Early (Emergency) Environmental Review 2%-4%	9030110	29-Mar-10	07-Jun-10	50	29-Mar-10	07-Jun-10	50	0%																							
Early (Emergency) Environmental Review 15%	9030120	03-May-10	21-Jun-10	35	03-May-10	21-Jun-10	35	0%																							
Early (Emergency) Environmental Review FY 5		06-Aug-12	24-Sep-12	36	06-Aug-12	24-Sep-12	36																								
ROW Negotiations - Acquisition 2%-4%	9051115	06-Aug-12	24-Sep-12	35	06-Aug-12*	24-Sep-12	35	0%																							
9.4 ROW negotiations		22-Jun-10	08-Jun-12	509	22-Jun-10	08-Jun-12	509																								
9.4.1 ROW negotiations FY 3		22-Jun-10	10-Aug-10	35	22-Jun-10	10-Aug-10	35																								
ROW Negotiations - Acquisition 15%	9040110	22-Jun-10	10-Aug-10	35	22-Jun-10	10-Aug-10	35	0%																							
ROW negotiations FY 4		20-Jan-12	08-Jun-12	101	20-Jan-12	08-Jun-12	101																								
ROW Negotiations - Acquisition 30%	9044115	20-Jan-12	08-Jun-12	100	20-Jan-12	08-Jun-12	100	0%																							